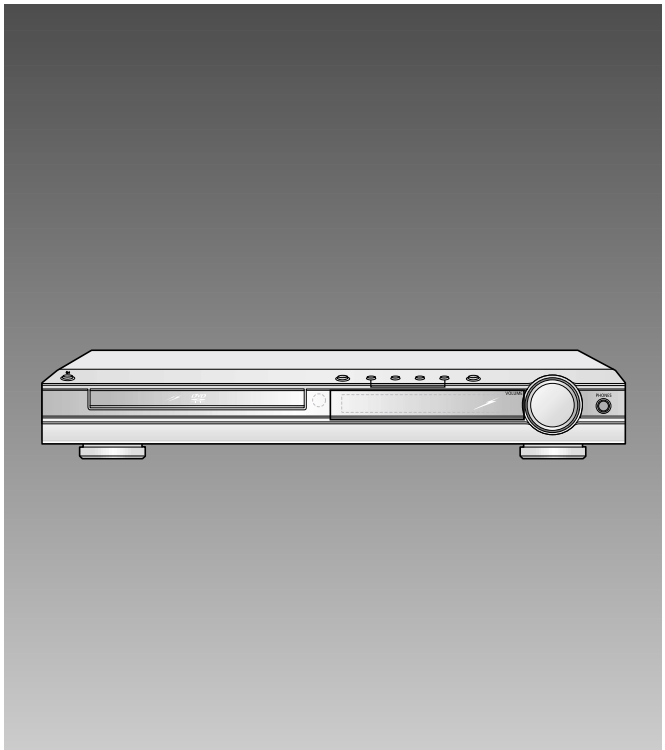
SAMSUNG

DVD RECEIVER AMP

HT-DS700
HT-DS760(T)
HT-DS900
HT-DS1750
HT-DS1870

SERVICE Manual

DVD RECEIVER AMP SYSTEM



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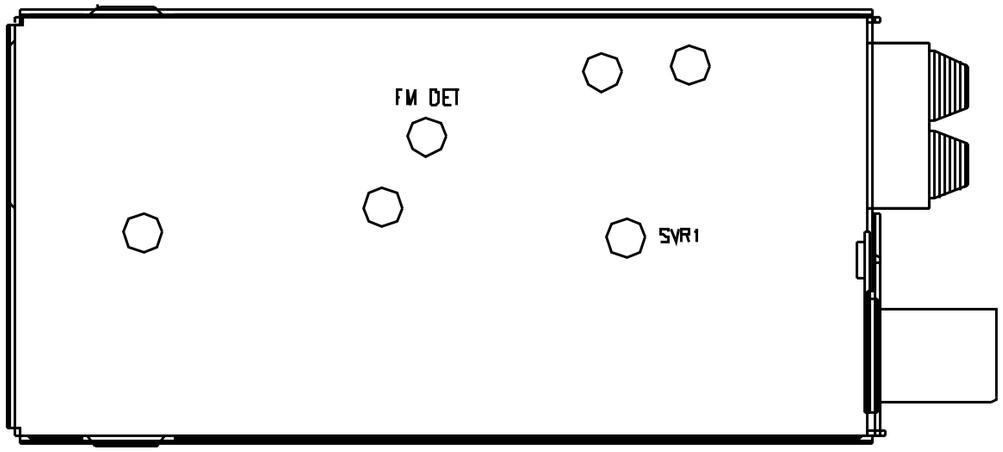
- Confidential -

Notice !! You can search for the updated part code through ITSELF web site.
URL; http://itself.sec.samsung.co.kr

1. Alignment and Adjustments

1. Tuner



* Adjustment Location of Tuner PACK

FM THD Adjustment	
SSG FREQ.	98 MHz
Adjustment point **(FM DET)**	FM DETECTOR COIL
Output	60 dB
Minumum Distortion (0.4% below) (Figure 1-1)	

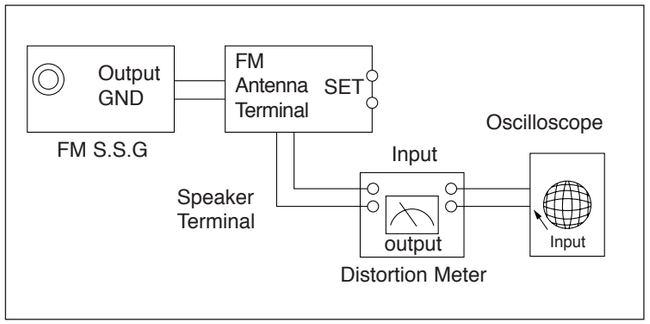
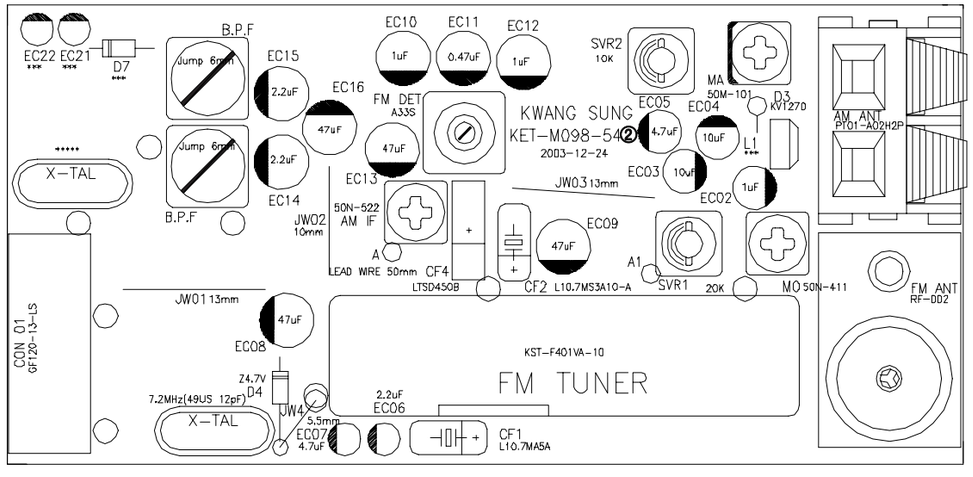


Figure1-1 IF CENTER and THD Adjustment



FM Search Level Adjustment	
SSG FREQ.	98 MHz
Adjustment point **(SVR1)**	BEACON SENSITIVITY SEMI-VR(20KΩ)
Output	28 dB(±2dB)
Adjust SVR1 so that “TUNED” of FLT is lighted (Figure 1-2)	

*Adjust FM S.S.G level to 28dB

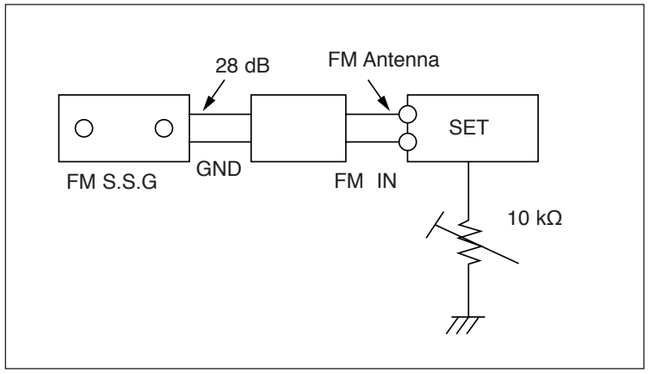
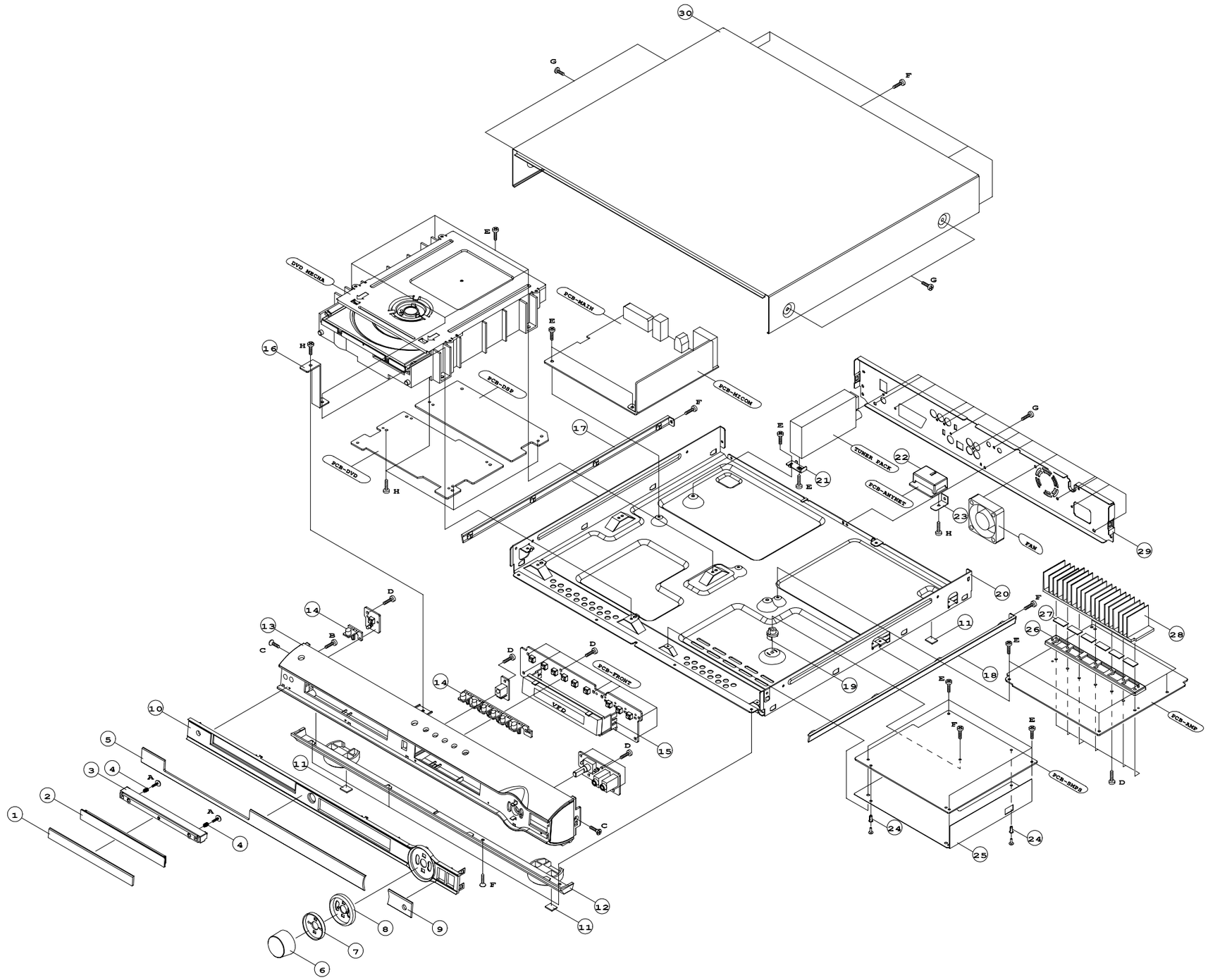


Figure1-2 FM Auto Search Level Adjustment

* AM, LW, SW Band : No Adjustment point

2.Exploded Views and Parts List

2-1 Total Exploded View

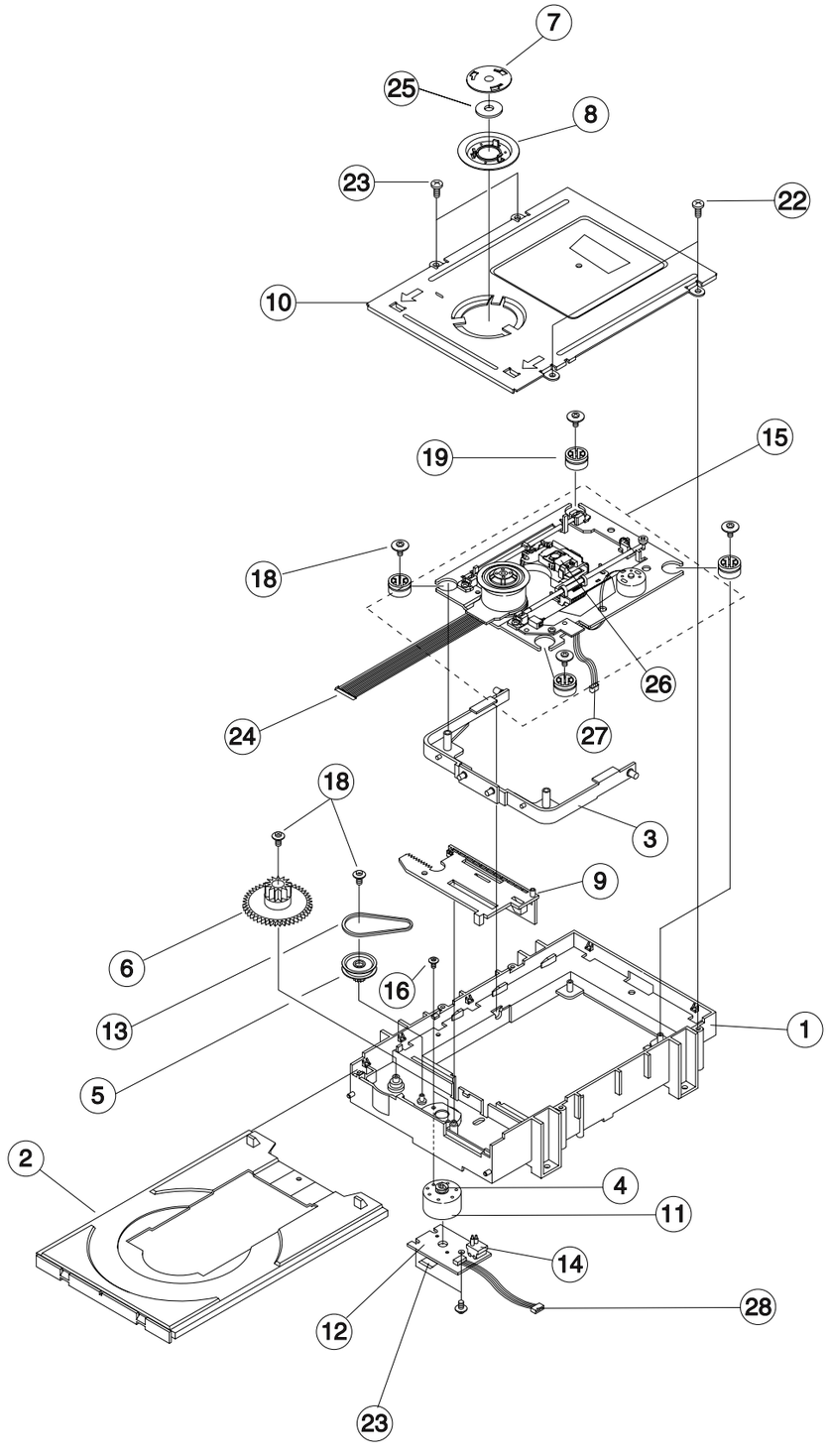


*** Parts List of Total Exploded view**

No.	Code No.	Description	Specification	Q'ty	REMARK
1	AH64-02565B	WINDOW-CD	ACRYL 2.0T	1	
2	AH64-02561A	DOOR-CD	ABS BLK	1	
3	AH61-01404A	HOLDER-DOOR	ABS BLK	1	
4	AH61-01325A	SPRING-DOOR	SUS304	2	
5	AH64-02587A	WINDOW-VFD	ACRYL 2.0T	1	
6	AH64-02562A	KNOB-VOLUME	ABS PLATE	1	
7	AH67-00228A	LENS-VOLUME	PMMA MILKY	1	
8	AH64-02567B	DECO-VOLUME	ABS GRAY	1	
9	AH64-02586E	WINDOW-PHONES	ACRYL 2.0T	1	
10	AH64-02583B	DECO-FRONT	ABS BLK	1	
11	AH73-00005A	CUSHION-FOOT	EVA 2.0T	4	
12	AH64-02582B	DECO-PANEL	ABS BLK	1	
13	AH64-02843C	CABINET-FRONT	MIPS GRAY	1	HT-DS700
	AH64-02843E	CABINET-FRONT	MIPS GRAY	1	HT-DS900
14	AH64-02563B	KNOB-FUNCTION	ABS GRAY	1	
15	AH61-01405A	HOLDER-VFD	ABS BLK	1	
16	AH61-01453A	BRACKET-FRONT	SECC 0.8T	1	
17	AH64-02585B	DECO-BOTTOM-L	ABS BLK	1	
18	AH64-02584B	DECO-BOTTOM-R	ABS BLK	1	
19	AH61-00774A	HOLDER-PCB	ABS GRAY	1	
20	AH64-02844A	CABINET-BOTTOM	SECC 0.8T	1	
21	AH61-01355A	BRACKET-TUNER	SECC 1.0T	1	
22	AH61-01580A	HOLDER-ANINET	ABS	1	
23	AH61-01628A	BRKT-GND,ANYNET	PBS 0.3T	1	
24	AH61-40014A	SUPPORT-RIVET	PP BLACK	2	
25	AH63-00733A	SHEET-SMPS	PC 0.5T	1	
26	AH61-01579A	HOLDER-HEATSINK	ABS+GP30%	1	
27	AH62-00126A	INSULATION-RUBBER	GAP PAD 1.0T	6	
28	AH62-00125A	HEAT-SINK	AL	1	
29	AH64-02845D	CABINET-REAR	SECC 0.6T	1	
30	AH64-01588B	CABINET-TOP	SECC 0.6T	1	

No.	Code No.	Description	Specification	Q'ty	REMARK
A	6003-001496	SCREW-TAPTITE	BWH 2.5*6, YEL	2	
B	6001-001744	SCREW-TAPTITE	RH 2.6*8 YEL	1	
C	6002-000126	SCREW-TAPTITE	FH 3*8 BLK	2	
D	6003-000276	SCREW-TAPTITE	BH 3*10 YEL	19	
E	6003-000398	SCREW-TAPTITE	BH 3*6 YEL	17	
F	6003-001232	SCREW-TAPTITE	BH 3*8 BLK	6	
G	6003-001464	SCREW-TAPTITE	BH 3*10 SIL	21	
H	6003-000283	SCREW-TAPTITE	BH 3*8 YEL	6	

2-2 DVD MECHA Exploded View and Parts list

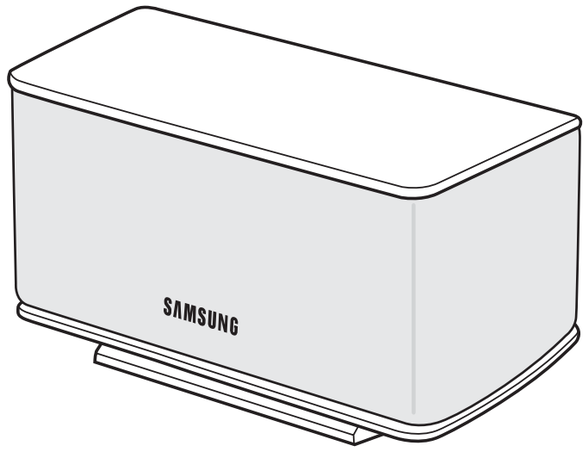


No.	Code No.	Description ;	Specification
	AH59-01153A	**DECK-MECHA ASS'Y**	**CMS-SD100**
1	AH61-01293A	BASE-MAIN	ABS BLK
2	AH63-00535A	TRAY-DISC	ABS D/GRAY
3	AH66-00214A	LEVER-LIFT	ABS+GF20%
4	AH66-00215A	PULLEY-MOTOR	POM WHT
5	AH66-00216A	GEAR-PULLEY	TPE WHT
6	AH66-00217A	GEAR-TRAY	POM WHT
7	AH61-01295A	CLAMPER-BRKT	SECC t0.8
8	AH63-00536A	CLAMPER-MOLD	POM WHT
9	AH66-00218A	SLIDE-CAM	PC WHT
10	AH61-01296A	HOLDER-BRACKET	SECC t0.8
11	AH31-00030B	MOTOR-DC	RF-300E-1D390
12	AH41-00560A	PCB-SWITCH	43.5 * 32.5
13	AH66-00219A	BELT-PULLEY	CR 1.2
14	3409-001119	SWITCH-DETECTOR	JDS2200
15	AH59-01184A	DVD-DECK ASSY	CMS-S51PG4
16	6001-001257	SCREW-MACHINE	1.7*3(W4.5)
17	AJ60-10001A	SCREW-TAP	WASHER 6.8
18	6003-000152	SCREW-TAP	2*10.12
19	AH73-00058A	RUBBER-CD	SILICON 30
20	0205-001106	GREASE	GX-99004
21	0205-001109	GREASE	DM-523
22	6003-000283	SCREW	TAP 3*8
23	AH02-00038A	TAPE	10mm*80mm
24	3809-001451	CABLE-FLAT	60mm 24P
25	3302-001505	MAGNET CHUCK	190 gf
26	AH30-00055A	PICK-UP	4P.JST
27	AH39-00495A	WIRE-HARNESS	UL1007,#28,70mm
28	AH39-00496A	WIRE-HARNESS	UL1007,#28,65mm

**** Caution:** The MECHA does not include the DECK ASS'Y.*
The DECK ASS'Y must be ordered separately when repairing.

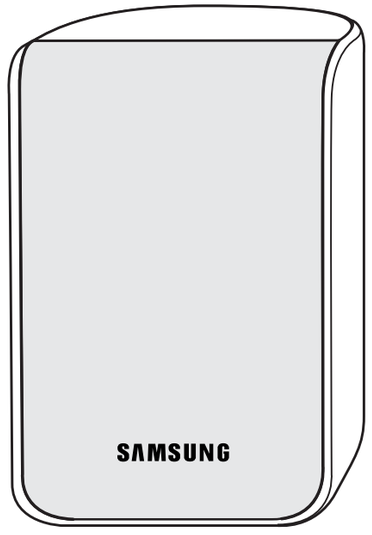
2-3 SPEAKER Composite View

2-3-1 HT-DS700



Center Speaker : AH81-01457C

(PSCS700E)



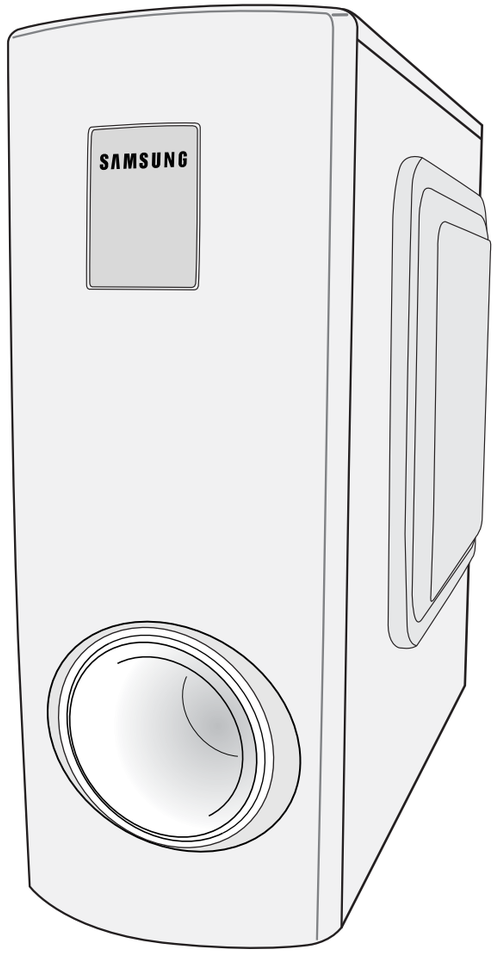
Front Speaker : AH81-01457B

(PSFS700E)

Rear Speaker : AH81-01457D

(PSRS700E)

* CAUTION : The NET FRAME(or FRONT PANEL ASS'Y) uses bonding to connect to CABINET ASS'Y.
The extreme care not to damage the SPEAKER during disassembly.

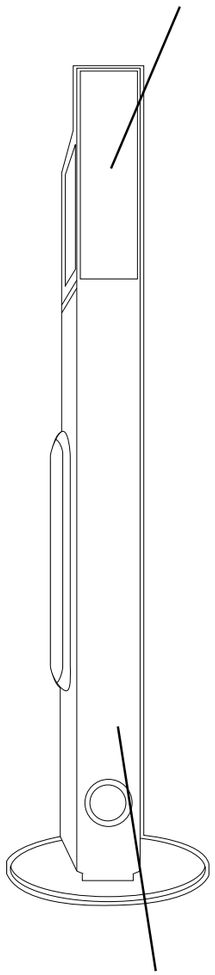


SUBWOOFER : AH81-01457E

(PSWS700E)

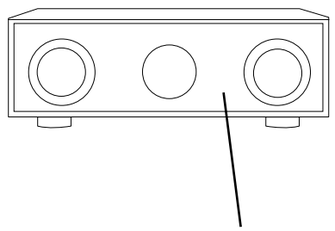
Reflecter SPK (LEFT):

AH81-01451P



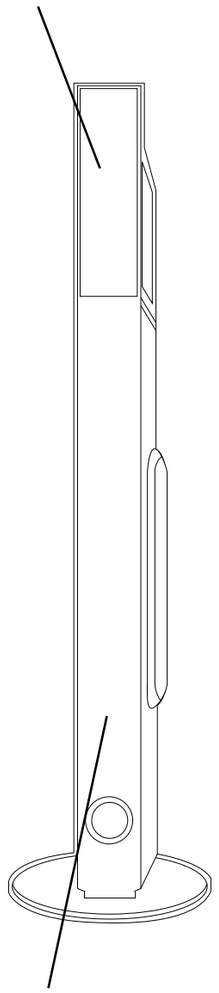
Center Speaker :

AH81-01451A



Reflecter SPK (RIGHT):

AH81-01451Q



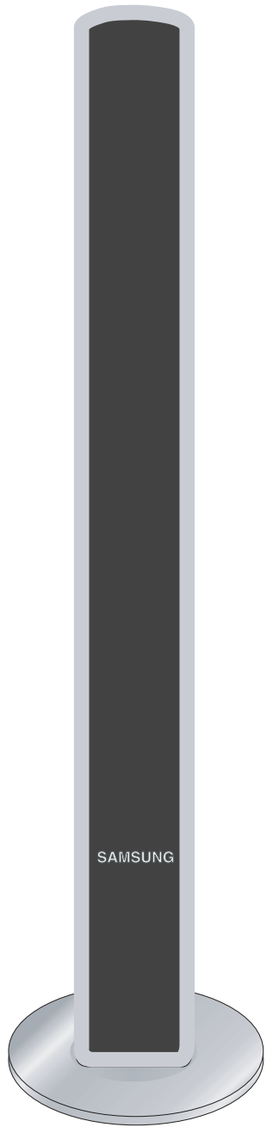
Subwoofer (LEFT):

AH81-01451R

Subwoofer (RIGHT):

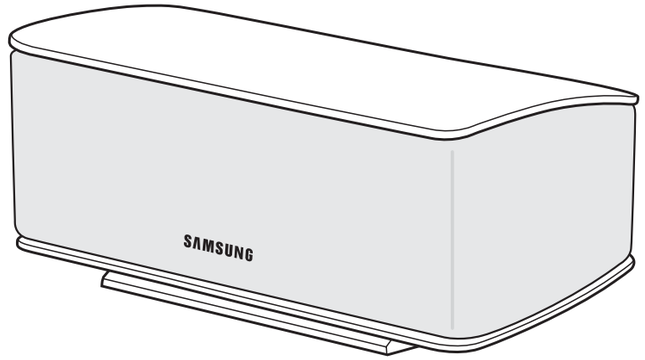
AH81-01451S

* CAUTION : The NET FRAME(or FRONT PANEL ASS'Y) uses bonding to connect to CABINET ASS'Y.
The extreme care not to damage the SPEAKER during disassembly.

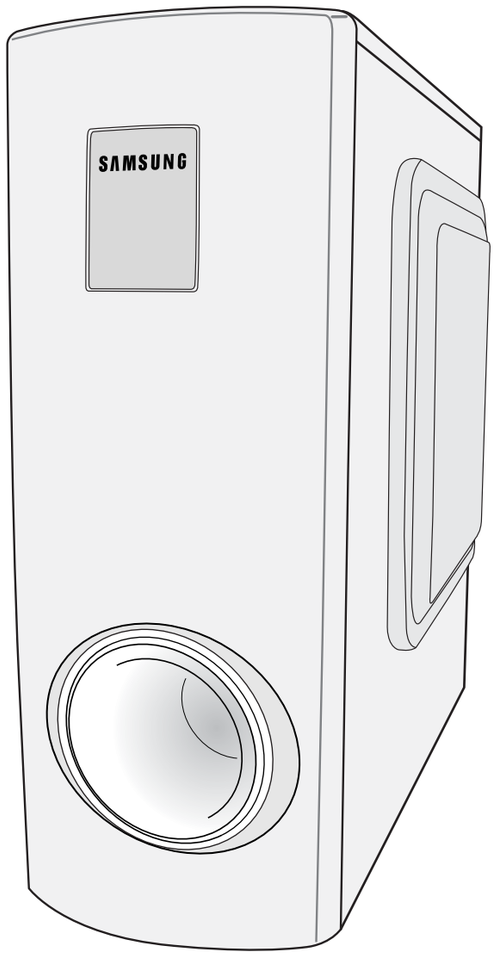


Front Speaker: AH81-01533B
(PSFS900E)

Rear Speaker : AH81-01533C
(PSRS900E)



Center Speaker : AH81-01533D
(PSCS900E)



Subwoofer : AH81-01533E
(PSWS900E)

3. Electrical Parts List

Location no.	Code no.	Description & Specification	Remarks
	3301-000132	CORE-FERRITE;AC,28.8x19.3x7.5mm,1400,290	
	3809-001224	CABLE-FLAT;30V,80C,80mm,13P,1.25mm,UL289	
	3809-001573	FPC CABLE-FLAT;30V,80C,270MM,20P,1.25MM,	
	3809-001574	FPC CABLE-FLAT;30V,80C,100MM,26P,1.25MM,	
	3809-001578	FPC CABLE-FLAT;30V,80C,170mm,20P,1mm,UL2	
	3809-001582	CABLE-FLAT;30V,80,130mm,20P,1mm,UL2896	
	AH31-00039B	MOTOR FAN;C151BK10A2430,RDM5015S,0.12A,-	
	AH39-00257F	POWER CORD;MAX980,-,CP2,250V,2.5A,1830MM	
	AH39-00618A	WIRE HARNESS;HT-DS700,-,-,8P,-,-,26AWG,P	
	AH39-40001Z	CBF CABLE;SJ03-09-206,-,2P-2P,2000MM,-,A	
	AH40-00076A	TUNER-PACK ASSY;KST-ML104FA1-52,FM/RDS,-	
	AH44-00042B	SMPS;HT-DS700,ORTP-923,AC/DC,600W,2	
	AH59-01354A	**DECK-MECHA ASSY;-,HT-DS400,-,14.4 MM,5 V**	
	AH31-00030B	MOTOR DC;-,RF-300E-1D390,-,-,-,-,-,-,	
	AH39-00425A	CONNECT WIRE;HT-DL200,RING,-,-,-,BLK,-,R	
	AH59-01184A	DECK-MECHA ASSY;-,CMS-SD100,-,-,-,-,CD D	
	AH30-00055A	PICK UP-DECK;SOH-DH11,-,0.60,1.71,-,CMS-	
	AH91-00005A	**ASSY DECK-DVD;-,-,CMS-SD100**	
	3302-001505	MAGNET-PERMENENT;AC,-,9800GAUSS,23MGOE,1	
	3409-001119	SWITCH-DETECTOR;5V DC,1.0A,DPST,30gf,-	
	3809-001451	CABLE-FLAT;30V,80C,60MM,24P,0.5MM,AWM206	
	AH92-02117A	**ASSY PCB;HT-DS400,ES6698FD,ES6603S**	
AD5	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SOD-323	
AD3	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
DZD1	0403-001062	DIODE-ZENER;UDZ4.7B,4.55-4.75V,200MW,SOD	
RD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
DD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
VQ6	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
VQ5	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
VQ4	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
VQ3	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
VQ2	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
VQ1	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
RQ6	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
RQ5	0501-000632	TR-SMALL SIGNAL;2SB1197K,PNP,200mW,SOT-2	
RQ1	0501-000632	TR-SMALL SIGNAL;2SB1197K,PNP,200mW,SOT-2	
RQ7	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
RQ4	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
RQ3	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
RQ2	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
Q1	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
U17	0801-002518	IC-CMOS LOGIC;74LCX157,2-INPUT MULTIPLEX	
MIC1	0801-002683	IC-CMOS LOGIC;74HCT245,TRANSCEIVER,TSSOP	
OPIC2	0802-001007	IC-BICMOS LOGIC;74LCX244,BUFFER/LINE DRI	
OPIC3	0802-001025	IC-BICMOS LOGIC;74LCX374,D FILP-FLOP,TSS	
OPIC1	1001-001170	IC-AUDIO SWITCH;CS8415A-CZ,RECEIVER&DECO	
DIC1	1003-001450	IC-MOTOR DRIVER;BA5954FM,SOP,28P,300MIL,	
DRIC1	1003-001507	IC-MOTOR DRIVER;FAN8423D3TF,SSOPH-375SG2	
RIC2	1003-001508	IC-MOTOR DRIVER;FAN8082DTF,SOP,8P,200MIL	
MIC6	1103-001334	IC-EEPROM;K524A60X81,1KX8BIT,SOP,8P,5X4M	
MIC8	1105-001535	IC-DRAM;M12L128168A-7T,4X2MX16BIT,TSOP	
MIC3	1107-001452	IC-FLASH MEMORY;29L160,2Mx8/1Mx16,TSOP,4	
RIC3	1201-001842	IC-OP AMP;TL3472CD,SO,TP,8P,-,DUAL,-,PAL	
RIC1	1201-002059	IC-RF AMP;ES6603SF,LQFP,64P,10X10MM,SING	
REG1	1203-002425	IC-POSI.FIXED REG.;AP1117,SOT-223,3P,138	
REG4	1203-002935	IC-POSI.ADJUST REG.;AIC1117ACE,TO-252,3P	
REG3	1203-002935	IC-POSI.ADJUST REG.;AIC1117ACE,TO-252,3P	
MIC4	1204-002224	IC-PAL/NTSC DECODER;ES6698FD,PQFP,208P,2	
DR3	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
MR38	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
MR32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
MR26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
MR25	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
MR53	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
MR96	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
RR27	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
RR29	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DR41	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DR53	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DR57	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DR61	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
MR22	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FREE	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DR65	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
PR17	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR21	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR22	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR16	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR15	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR14	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
RR31	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR27	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR26	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR25	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
PR24	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR23	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR90	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR68	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR2	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
DR64	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
DR63	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
DR56	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
AR24	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR89	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR82	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR81	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR80	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR8	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
MR79	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
PR19	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
VR18	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR19	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR2	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR3	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR7	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR8	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR9	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR17	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
R105	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
R106	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
R107	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR1	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR12	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR13	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
VR14	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
PR1	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
PR18	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R55	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR32	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR34	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR35	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR37	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
MR50	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
DR28	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
DR35	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
DR38	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
MR49	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
MR3	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
MR1	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR25	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
MR17	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
MR16	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
MR11	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
MR10	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
DR20	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
R49	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R50	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
RR1	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
RR2	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
DR44	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
DR59	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
MR94	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R48	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
MR44	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
MR43	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
MR40	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
MR39	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
MR33	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
MR18	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR58	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
RR26	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
RR30	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
RR33	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR12	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR16	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR42	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR43	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
RR8	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
DR18	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
MR21	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
DR55	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
DR54	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
DR5	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
DR51	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
RR42	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
RR43	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
DR15	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
DR19	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
DR36	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
DR37	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
MR19	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
DR10	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
DR60	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
MR74	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
RR39	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
MR67	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR69	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR71	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR72	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR73	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR76	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR77	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR78	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
R44	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
DR17	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
DR6	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR45	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR46	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR47	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR66	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR60	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR56	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
MR55	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
PR20	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
MR20	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
DR9	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
DR33	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
MR84	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
R58	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
RR10	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
RR12	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
MR31	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
MR12	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
MR13	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
MR14	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
MR15	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
DR49	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
DR50	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
MR30	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	
RR28	2007-000308	R-CHIP;10ohm,5%,1/8W,TP,2012	
RR36	2007-000308	R-CHIP;10ohm,5%,1/8W,TP,2012	
PR1	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
DR21	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	
DR32	2007-000483	R-CHIP;1ohm,5%,1/8W,TP,2012	
DR31	2007-000483	R-CHIP;1ohm,5%,1/8W,TP,2012	
DR30	2007-000483	R-CHIP;1ohm,5%,1/8W,TP,2012	
DR1	2007-000483	R-CHIP;1ohm,5%,1/8W,TP,2012	
DR2	2007-000483	R-CHIP;1ohm,5%,1/8W,TP,2012	
DR29	2007-000483	R-CHIP;1ohm,5%,1/8W,TP,2012	
R45	2007-000608	R-CHIP;240ohm,5%,1/10W,TP,1608	
PR3	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	
RR38	2007-000694	R-CHIP;3.3ohm,5%,1/8W,TP,2012	
R4	2007-000694	R-CHIP;3.3ohm,5%,1/8W,TP,2012	
R5	2007-000799	R-CHIP;360ohm,5%,1/10W,TP,1608	
MR42	2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	
MR34	2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	
VR6	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
VR5	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
VR4	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
VR11	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
VR10	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
RN3	2011-000651	R-NET;10OHM,5%,1/16W,L,CHIP,8P,TP,32	
RN2	2011-000651	R-NET;10OHM,5%,1/16W,L,CHIP,8P,TP,32	
RN1	2011-000651	R-NET;10OHM,5%,1/16W,L,CHIP,8P,TP,32	
DC12	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
DC11	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
RC9	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC4	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC25	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC2	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
R47	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C57	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC17	2203-000315	C-CER,CHIP;0.12NF,5%,50V,C0G,TP,1608	
RC23	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
RC28	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC26	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
MC6	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
MC3	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
MC4	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
MC5	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC16	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC14	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC13	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC12	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC8	2203-000681	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,1608	
MC50	2203-000681	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,1608	
MC45	2203-000681	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,1608	
MC44	2203-000681	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,1608	
RC24	2203-000800	C-CER,CHIP;33nF,10%,25V,X7R,TP,1608	
MC8	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608	
MC13	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608	
DC13	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C59	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608	
RC15	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
MC25	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	
MC29	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
MC37	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
MC34	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
MC27	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
MC21	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,TP,1608,-	
RC6	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	
MC36	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	
RC22	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	
MC41	2203-001636	C-CER,CHIP;0.033nF,5%,50V,NP0,TP,1608	
MC40	2203-001636	C-CER,CHIP;0.033nF,5%,50V,NP0,TP,1608	
MC39	2203-001636	C-CER,CHIP;0.033nF,5%,50V,NP0,TP,1608	
RC5	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
RC3	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C11	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
MC18	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC17	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC16	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC15	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC19	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC2	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC26	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC28	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC30	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC9	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC1	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC10	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC14	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC15	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC16	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC17	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC6	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC7	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DC8	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC31	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC18	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC8	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC9	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC1	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC11	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC18	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC43	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC44	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC7	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC17	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC38	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC47	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC48	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
MC7	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC12	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC13	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC14	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC15	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC16	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC19	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC2	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC20	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC21	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC22	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC23	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC24	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC25	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC26	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC18	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC1	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC10	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC11	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC12	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC13	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC14	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC15	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC16	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC17	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC3	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C2	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C23	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C26	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C27	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C3	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C5	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C56	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C58	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C8	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C17	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC4	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC5	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC6	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC7	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC8	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C14	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C13	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
C10	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
BC9	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
MC12	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
MC14	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
MC24	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
RC45	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
DC5	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
C9	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
DC21	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
DC3	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
DC4	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
MC35	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	
MC32	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608,-	
PC7	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
PC5	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
PC3	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C4	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C38	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
PC1	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
RC21	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
RC27	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
C7	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
AC4	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
C1	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
C24	2402-000107	C-AL,SMD;100uF,20%,6.3V,GP,TP,6.6x6.6x5	
DC2	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	
PC2	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
PC11	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
MC10	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
FREE	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
PC6	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
PC10	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
C12	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
L16	2703-000125	INDUCTOR-SMD;10uH,10%,2012	
X2	2801-004284	CRYSTAL-SMD;27MHZ,10PPM,28-AAN,20PF,30OH	
AL18	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL20	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL22	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL26	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL14	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL15	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL16	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
AL17	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
L8	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L7	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L6	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L5	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L4	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
RL1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
R1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ML2	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ML1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L9	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L26	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L10	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ASL1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
AL21	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
AL19	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L2	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L19	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L17	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L13	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
L12	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ACN2	3708-001805	CONNECTOR-FPC/FFC/PIC;20P,1MM,SMD-A,SN,N	
ACN3	3708-001805	CONNECTOR-FPC/FFC/PIC;20P,1MM,SMD-A,SN,N	
CN1	3708-001807	CONNECTOR-FPC/FFC/PIC;11P,1MM,SMD-A,SN,N	
DCN1	3708-001808	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD-A,SN	
CN2	3711-002533	CONNECTOR-HEADER;BOX,5P,1R,2MM,SMD-A,SN,	
CN3	3711-005306	CONNECTOR-HEADER;BOX,4P,1R,2MM,SMD-A,TIN	
PCN1	3711-005307	CONNECTOR-HEADER;BOX,8P,1R,2MM,SMD-S,TIN	
	AH92-02075A	**ASSY PCB;HT-DS700,MAIN PCB ASSY**	
OPT1	0603-001126	OPTIC TRANSMITTER;5V,13.2MB/S,5M,-14.5DB	
ACW7	3708-001094	CONNECTOR-FPC/FFC/PIC;13P,1.25MM,STRAIGH	
ACW4	3708-001122	CONNECTOR-FPC/FFC/PIC;26P,1.25MM,STRAIGH	
ACW11	3708-001760	CONNECTOR-FPC/FFC/PIC;20P,1MM,STRAIGHT,S	
OCW1	3708-001760	CONNECTOR-FPC/FFC/PIC;20P,1MM,STRAIGHT,S	
SCW1	3711-003409	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
ACW9	3711-003411	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
ACW3	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2MM,STRAIG	
ACW2	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2MM,STRAIG	
ACW1	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2MM,STRAIG	
AJ4	3722-001606	JACK-PIN;4P,3.5mm,NI,BLK(WHT2/RED2),-	
SJACK1	3722-001682	JACK-SCART;21P,-,SN,BLK,-	
SW1	AH34-00015B	SWITCH SLIDE;FKA-22H14,SLIDE,-,-,50V,0.3	
SJACK2	AH37-00005A	JACK---RCA;1P,S-440B,YELLOW,-,SHIELD PLAT	
ACW8	AH39-00614A	WIRE HARNESS;HT-DS400,-,-,7P,-,-,26AWG,-	
	AH63-00386A	SHIELD-SCART;HT-DL100,SPTE 0.3T,-,-,-,-,	
OD10	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
SQ2	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
SQ1	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
SQ7R	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
SQ7L	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
SQ3	0501-000637	TR-SMALL SIGNAL;2SC1740S,NPN,300mW,SPT,T	

Location no.	Code no.	Description & Specification	Remarks
AQ8L	0501-002184	TR-SMALL SIGNAL;KTD1304,NPN,200mW,SOT-23	
AQ8R	0501-002184	TR-SMALL SIGNAL;KTD1304,NPN,200mW,SOT-23	
OQ10	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
SQ4	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
SQ5	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
SQ6	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AQ9	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AIC1	1002-001392	IC-A/D CONVERTER;WM8775EDS,24BIT,SSOP,28	
AR15	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR17R	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR17L	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR92	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR91	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR90	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
OR11	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR3R	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR7	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR79	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR80	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR17	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR78	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR77	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR76	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR4	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR6	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR5	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR3	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR16	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR70	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR72	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR73	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR74	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR10	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW178	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW177	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW171	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW147	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW146	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
SR13	2007-000030	R-CHIP;560ohm,5%,1/8W,TP,2012	
SR14	2007-000282	R-CHIP;100Kohm,5%,1/8W,TP,2012	
AR47R	2007-000282	R-CHIP;100Kohm,5%,1/8W,TP,2012	
AR47L	2007-000282	R-CHIP;100Kohm,5%,1/8W,TP,2012	
AR45	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
AR44	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
AR43	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
AR42	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
R40	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
SR1	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
SR2	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
AR1L	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
AR1R	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
AR3L	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
SR18L	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
SR18R	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
AR14R	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	
AR14L	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	
SR12	2007-000686	R-CHIP;3.3Kohm,5%,1/8W,TP,2012	
AR7R	2007-000710	R-CHIP;3.9Kohm,5%,1/8W,TP,2012	
AR7L	2007-000710	R-CHIP;3.9Kohm,5%,1/8W,TP,2012	
AR4R	2007-000774	R-CHIP;33Kohm,5%,1/8W,TP,2012	
AR4L	2007-000774	R-CHIP;33Kohm,5%,1/8W,TP,2012	
AR2R	2007-000774	R-CHIP;33Kohm,5%,1/8W,TP,2012	
AR2L	2007-000774	R-CHIP;33Kohm,5%,1/8W,TP,2012	
SR15	2007-000872	R-CHIP;4.7Kohm,5%,1/8W,TP,2012	
AR8R	2007-000981	R-CHIP;5.6Kohm,5%,1/8W,TP,2012	
AR8L	2007-000981	R-CHIP;5.6Kohm,5%,1/8W,TP,2012	
AR23R	2007-000981	R-CHIP;5.6Kohm,5%,1/8W,TP,2012	
AR23L	2007-000981	R-CHIP;5.6Kohm,5%,1/8W,TP,2012	
SR8	2007-001133	R-CHIP;68ohm,5%,1/8W,TP,2012	
SR11	2007-001133	R-CHIP;68ohm,5%,1/8W,TP,2012	
SR9	2007-001166	R-CHIP;75ohm,5%,1/8W,TP,2012	
SR22	2007-001166	R-CHIP;75ohm,5%,1/8W,TP,2012	
SR21	2007-001166	R-CHIP;75ohm,5%,1/8W,TP,2012	
SR20	2007-001166	R-CHIP;75ohm,5%,1/8W,TP,2012	
SR10	2007-001166	R-CHIP;75ohm,5%,1/8W,TP,2012	
AR71	2007-001166	R-CHIP;75ohm,5%,1/8W,TP,2012	
AR11	2007-001201	R-CHIP;820ohm,5%,1/8W,TP,2012	
C101	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
C104	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
C94	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C93	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C90	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C100	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
OC10	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
SC10	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
SC11	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
SC12	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
SC9	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
OC1	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
AC26	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
AC28	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
AC32	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
AC33	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	

Location no.	Code no.	Description & Specification	Remarks
AC36	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
C110	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C111	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C91	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C92	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C106	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C107	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C108	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C109	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
SC2	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
SC1	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
AC20	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
AC19	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
AC18	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
OC11	2203-000609	C-CER,CHIP;22nF,10%,50V,X7R,TP,2012	
AC3R	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
SC17L	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
SC17R	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
AC3L	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
AC1R	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
AC1L	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
AC38	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AC25	2401-000419	C-AL;10UF,20%,16V,GP,-,5X11,5	
AC27	2401-000419	C-AL;10UF,20%,16V,GP,-,5X11,5	
AC29	2401-000419	C-AL;10UF,20%,16V,GP,-,5X11,5	
AC31	2401-000419	C-AL;10UF,20%,16V,GP,-,5X11,5	
SC13	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
SC7	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC6	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC5	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC4	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC3	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC16	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC15	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC14	2401-001092	C-AL;330uF,20%,10V,GP,-,8x11.5,2.5m	
SC8	2401-001893	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
AC12	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
AC7R	2401-002180	C-AL;2.2uF,20%,50V,GP,TP,5x11mm,5mm	
AC7L	2401-002180	C-AL;2.2uF,20%,50V,GP,TP,5x11mm,5mm	
AC4R	2401-002180	C-AL;2.2uF,20%,50V,GP,TP,5x11mm,5mm	
AC2L	2401-002180	C-AL;2.2uF,20%,50V,GP,TP,5x11mm,5mm	
AC2R	2401-002180	C-AL;2.2uF,20%,50V,GP,TP,5x11mm,5mm	
AC4L	2401-002180	C-AL;2.2uF,20%,50V,GP,TP,5x11mm,5mm	
AJW1L	2701-000114	INDUCTOR-AXIAL;10UH,10%,2534	
AJW1R	2701-000114	INDUCTOR-AXIAL;10UH,10%,2534	
VL2	2701-000116	INDUCTOR-AXIAL;10UH,10%,4298	
SL1	2701-000116	INDUCTOR-AXIAL;10UH,10%,4298	
SL2R	2701-000177	INDUCTOR-AXIAL;33UH,10%,2534	
SL2L	2701-000177	INDUCTOR-AXIAL;33UH,10%,2534	
SBD1	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
ABD6	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
ABD5	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
ABD2	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
HBD1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
HBD2	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
HBD3	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
OBD1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ABD8	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ABD1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ABD3	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ABD4	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
ABD7	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
	AH92-02076B	**ASSY PCB-FRONT;HT-DS700,CE**	
ULD2	0601-001432	LED;ROUND,BLUE,3mm,455nm	
ULD1	0601-001432	LED;ROUND,BLUE,3mm,455nm	
UEYE	0609-001202	MODULE REMOCON;HORIZONTAL,12.4MM,TR	
E-VR	3406-001047	SWITCH-ROTARY;5V DC,0.5mA,-,12mm	
FCW1	3708-001924	CONNECTOR-FPC/FFC/PIC;20P,1.25MM,STRAIGH	
FCW4	3711-002808	CONNECTOR-HEADER;BOX,7P,1R,2mm,STRAIGHT,	
FCW3	3711-003409	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
FCW2	3711-003409	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
HJACK	3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	
	3722-001693	JACK-PIN;3P,8.3PI,NI-P,GRN/BLK/RED,-	
VFD	AH07-00131A	VF DISPLAY;HNA-11SM50T,HT-DS400,118.2*20	
FW6	AH39-00427A	WIRE HARNESS;-,-,-,9P,-,-,-,5295,51004,-	
FCW2-1	AH39-00479A	WIRE HARNESS;HT-DB300,-,-,3P,-,-,26AWG,5	
SCW1-1	AH39-00512A	LEAD CONNECTOR-ASSY;-,-,-,5P,-,-,-,5295,	
FCW3-1	AH39-00608A	WIRE HARNESS;HT-DS400,-,-,3P,-,-,26AWG,5	
FW5	AH39-00615A	WIRE HARNESS;HT-DS400,-,-,3P,-,-,28AWG,2	
FCW4-1	AH39-00619A	WIRE HARNESS;HT-DS700,-,-,7P,-,-,26AWG,5	
	AH61-01405A	HOLDER-VFD;HT-DB120,ABS,-,-,-,BLK,-	
FD53	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
FD52	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
FD51	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
FD1	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
FD2	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
FD50	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
FD3	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
FQ4	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
ULD6	0601-001238	LED;ROUND,RED,3.1mm,697nm	
FIC1	1003-001708	IC-VFD;S5G5128A,LQFP,64P,1063MIL,-,-	
FR20	2001-000552	R-CARBON;270OHM,5%,1/4W,AA,TP,2.4X6.4MM	

Location no.	Code no.	Description & Specification	Remarks
JW6	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW7	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW8	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW5	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW3	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW2	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW13	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
FR2	2007-000241	R-CHIP;1.5Kohm,5%,1/8W,TP,2012	
FR3	2007-000267	R-CHIP;1.8Kohm,5%,1/8W,TP,2012	
HR90	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
FR21	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR22	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR23	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR24	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR19	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR18	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR16	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR15	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR13	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
FR17	2007-000449	R-CHIP;180ohm,5%,1/8W,TP,2012	
FR27	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
FR26	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
FR25	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
FR1	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
FR4	2007-000493	R-CHIP;2.2Kohm,5%,1/8W,TP,2012	
FR5	2007-000686	R-CHIP;3.3Kohm,5%,1/8W,TP,2012	
FR6	2007-000872	R-CHIP;4.7Kohm,5%,1/8W,TP,2012	
FR14	2007-001009	R-CHIP;51Kohm,5%,1/8W,TP,2012	
FC51	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
FC11	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
FC2	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
FC17	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
FC13	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
FC12	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
FC1	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,-,2012	
FC95	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
HC1L	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
HC1R	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
FC94	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
FC90	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
FC91	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
FC93	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
MC90	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
FC97	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
FC92	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
FC5	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C52	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
HC2R	2203-000533	C-CER,CHIP;2.7nF,10%,50V,X7R,TP,2012,-	
HC2L	2203-000533	C-CER,CHIP;2.7nF,10%,50V,X7R,TP,2012,-	
FC9	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
FC8	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
FC50	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
FC10	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
HC3R	2203-000818	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,2012	
HC3L	2203-000818	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,2012	
FC7	2203-000979	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
FC6	2203-000979	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
FC4	2203-000979	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
FC3	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
FC16	2401-000485	C-AL;10UF,20%,50V,GP,TP,6.3X5MM,2.5	
FC15	2401-000485	C-AL;10UF,20%,50V,GP,TP,6.3X5MM,2.5	
FC14	2401-000485	C-AL;10UF,20%,50V,GP,TP,6.3X5MM,2.5	
HL1R	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
HL1L	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
FBD1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115ohm/1	
SW4	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW5	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW6	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW10	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
	AH92-02077A	**ASSY PCB;HT-DS700,MICOM PCB ASSY**	
UD7	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD6	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD3	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UR9	2001-000552	R-CARBON;270OHM,5%,1/4W,AA,TP,2.4X6.4MM	
UX1	2802-001174	RESONATOR-CERAMIC;10MHZ,0.5%,BK,8X3.5X3M	
UCW6	3708-000303	CONNECTOR-FPC/FFC/PIC;6P,1.25MM,STRAIGHT	
UCW1	3708-001661	CONNECTOR-FPC/FFC/PIC;20P,1.25MM,ANGLE,S	
UCW4	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UCW3	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UCW2	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UCW9	3711-003411	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
UJ2	3722-000351	JACK-PHONE;11P,3.5PI,AG,BLK,-	
UJ1	3722-000351	JACK-PHONE;11P,3.5PI,AG,BLK,-	
UCW8	AH39-00512A	LEAD CONNECTOR-ASSY;-,-,-,5P,-,-,-,5295,	
	AH61-01140A	BRACKET-PCB;HT-DM150,SPTE 0.5T,-,-,-,-,-	
XD23	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
XD4	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
XD5	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
XD7	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	

Location no.	Code no.	Description & Specification	Remarks
XD8	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
XD17	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
UD10	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
UD4	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
UD5	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
UD8	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
UD9	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523,TP	
UQ3	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
UQ2	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
UQ1	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
UIC3	1003-000262	IC-LINE TRANSCEIVER;MAX232CSE,SOP,16P,15	
UR69	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR68	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR67	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR70	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR71	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR72	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR61	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR62	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR63	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR64	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR65	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR66	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR79	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR80	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR81	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR82	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR83	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR84	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR73	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR74	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR75	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR76	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR77	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR78	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR60	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR42	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR43	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR44	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR45	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR46	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR47	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR150	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR151	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR160	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR170	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR171	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR41	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR54	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR55	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR56	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR57	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR58	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR59	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR48	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR49	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR50	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR51	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR52	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR53	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
UR4	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
UR8	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
UR96	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
UR97	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
UR2	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
UR27	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR29	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR30	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR40	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR6	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR26	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR11	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR20	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR21	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR23	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR24	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR25	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
UR100	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
UR93	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
UR92	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
UR91	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
UR90	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
UR3	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	
UR18	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
UR1	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
UR7	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	
UC8	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,TP,1608	
UC7	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,TP,1608	
UC60	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,TP,1608	
UC4	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,TP,1608	
UC10	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,TP,1608	
UC9	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	

Location no.	Code no.	Description & Specification	Remarks
UC76	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC75	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC74	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC73	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC72	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC71	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC70	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
UC6	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
UC14	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
UC1	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
UC54	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
UC53	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
UC52	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
UC51	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
UC50	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
UC3	2401-000759	C-AL;220nF,20%,50V,GP,TP,5x11mm,5mm	
UC2	2401-003336	C-AL;4.7UF,20%,50V,GP,TP,5X5,2	
UC5	2409-000123	C-EDL;47000uF,4uA,5.5V,-,BK,-,5mm	
UB1	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB8	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB7	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB6	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB5	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
UIC1	AH11-00140A	MASK ROM;LC877448A-53Y4,HT-DS400,48K,-,	
	AH92-02078A	**ASSY PCB;HT-DS700,AMP PCB ASSY**	
FR1	2003-000777	R-METAL OXIDE(S);68ohm,5%,2W,AA,TP,4x12m	
C20	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C8RL	2401-003564	C-AL;1000uF,20%,35V,LZ,TP,12.5X25mm	
C8RR	2401-003564	C-AL;1000uF,20%,35V,LZ,TP,12.5X25mm	
C8S	2401-003564	C-AL;1000uF,20%,35V,LZ,TP,12.5X25mm	
C8C	2401-003564	C-AL;1000uF,20%,35V,LZ,TP,12.5X25mm	
C8FL	2401-003564	C-AL;1000uF,20%,35V,LZ,TP,12.5X25mm	
C8FR	2401-003564	C-AL;1000uF,20%,35V,LZ,TP,12.5X25mm	
OSC1	2804-001604	OSCILLATOR-CLOCK;12.288MHZ,50PPM,10 TTL,	
J1	3708-001122	CONNECTOR-FPC/FFC/PIC;26P,1.25MM,STRAIGH	
FJ1	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5MM,STRAIGH	
SPK1	3716-001218	TERMINAL-BLOCK;-,12,4.8mm,40V,5A	
L2C	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L2FL	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L2FR	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L2RL	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L2RR	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L2S	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L1C	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L1FL	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L1FR	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L1RL	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L1RR	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
L1S	AH27-00055A	COIL CHOKE;DBF-1310A,HT-DS600,10uH,-,-,2	
J2	AH39-00018B	LEAD CONNECTOR ASSY;MAX-B420,-,-,6P,-,-,	
D3	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
D4	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150MA,SOD-3	
D2	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D1	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
ZD3	0403-001064	DIODE-ZENER;RLZ5.1B,4.94-5.2V,500MW,LL-3	
Q2	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
HIC	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
SIC	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
IC1RL	1201-002115	IC-AUDIO AMP;TAS5121,PSOP3,36P,15.9X11MM	
IC1RR	1201-002115	IC-AUDIO AMP;TAS5121,PSOP3,36P,15.9X11MM	
IC1S	1201-002115	IC-AUDIO AMP;TAS5121,PSOP3,36P,15.9X11MM	
IC1FR	1201-002115	IC-AUDIO AMP;TAS5121,PSOP3,36P,15.9X11MM	
IC1FL	1201-002115	IC-AUDIO AMP;TAS5121,PSOP3,36P,15.9X11MM	
IC1C	1201-002115	IC-AUDIO AMP;TAS5121,PSOP3,36P,15.9X11MM	
IC3	1202-001061	IC-VOLTAGE COMP;;LMV331M5,SOT-23,5P,3X1.	
U1	1204-002226	IC-MODULATOR;PS9818,QFP,100P,14X14MM,PLA	
R8	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R9	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR10L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR10R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR1L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R7	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R23	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R47	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R48	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R5	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R6	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR5R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR6L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR6R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR9L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR9R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR5L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR1R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR3L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR3L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR3R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
SR3R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R22	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR5R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR6L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR6R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
HR9L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R10C	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR5L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR10R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR1L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR1R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR3L	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
HR3R	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R12FL	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R12FR	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R12RL	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R12RR	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R12S	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R12C	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R10FL	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R10FR	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R10RL	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R10RR	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R10S	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
R1RL	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R1RR	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R1S	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R1C	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R1FL	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R1FR	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R31	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R30	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R29	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R28	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R32	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R33	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R34	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R35	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R27	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R11	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R12	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R13	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R14	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R26	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R15	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R149	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R148	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R3	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2S	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2RR	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R4	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
SR1	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
SR2	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R1	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2C	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2FL	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2FR	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R2RL	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R10	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R41	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R43	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R48	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
SR2L	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
SR2R	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
SR4L	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
SR4R	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
HR2L	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
HR2R	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
HR4L	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
HR4R	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
R42	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
SR7L	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
SR7R	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
SR8L	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
SR8R	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
R40	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
HR7L	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
HR7R	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
HR8L	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
HR8R	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
SR9R	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
SR10L	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
R17	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
HR9R	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
HR10L	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
R7C	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R6S	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R6RR	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R6RL	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R7FL	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R7FR	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R7RL	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R7RR	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R7S	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R6FR	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R125	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R126	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	

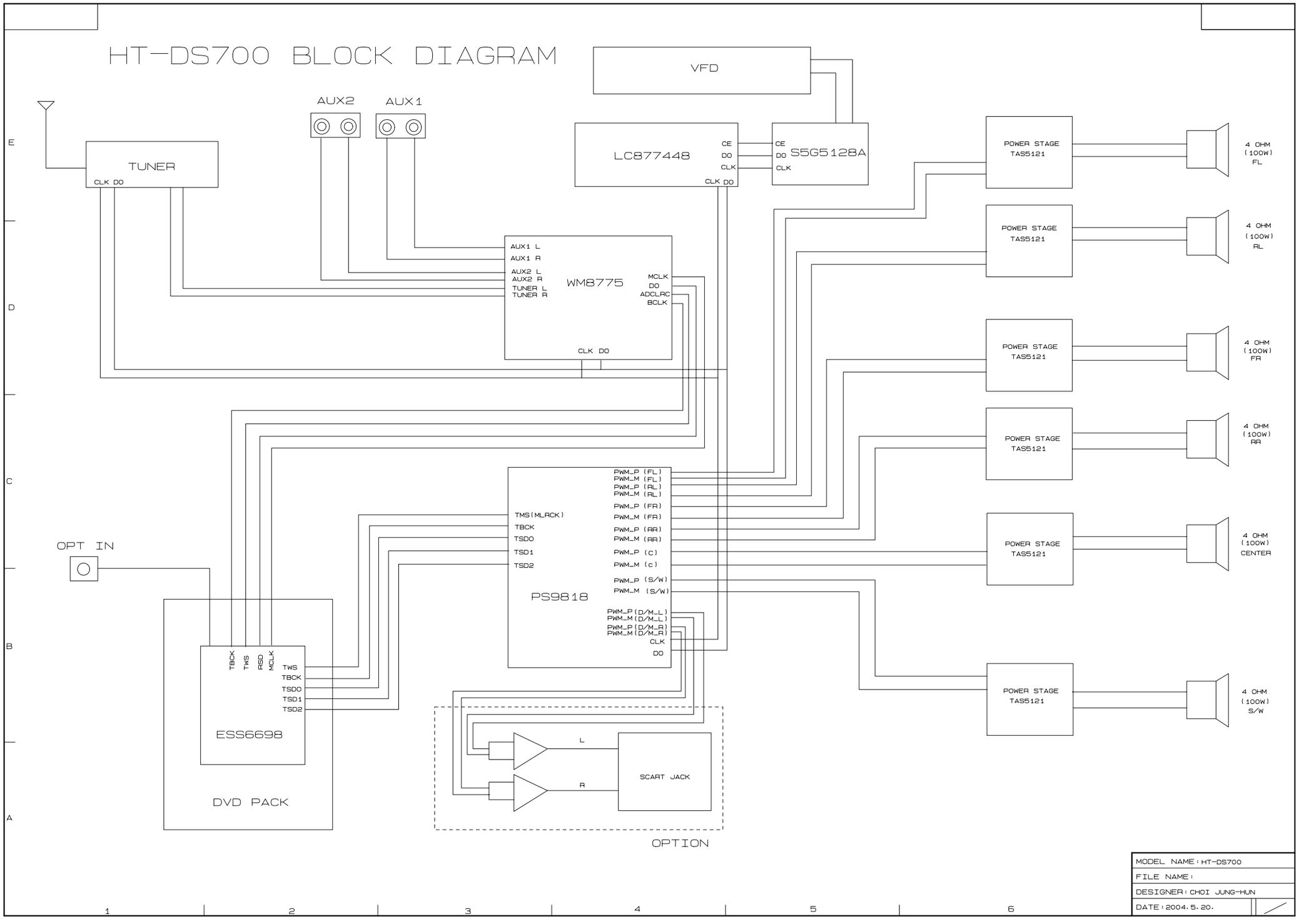
Location no.	Code no.	Description & Specification	Remarks
R127	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R128	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R129	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R6FL	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R6C	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R46	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R130	2007-000253	R-CHIP;1.5ohm,5%,1/4W,TP,3216	
R21	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
R20	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
HR2	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
HR1	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
R9FR	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R9FL	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R9C	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R9RL	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R9RR	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R9S	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R8C	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R8FL	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R8FR	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R8S	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R8RR	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R8RL	2007-000462	R-CHIP;18ohm,5%,1/8W,TP,2012	
R5S	2007-000693	R-CHIP;3.3ohm,1%,1/10W,TP,1608	
R5RR	2007-000693	R-CHIP;3.3ohm,1%,1/10W,TP,1608	
R5RL	2007-000693	R-CHIP;3.3ohm,1%,1/10W,TP,1608	
R5FR	2007-000693	R-CHIP;3.3ohm,1%,1/10W,TP,1608	
R5FL	2007-000693	R-CHIP;3.3ohm,1%,1/10W,TP,1608	
R5C	2007-000693	R-CHIP;3.3ohm,1%,1/10W,TP,1608	
R150	2007-000941	R-CHIP;47Kohm,5%,1/8W,TP,2012	
R4C	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R4FL	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R4FR	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R4RL	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R4RR	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R4S	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R3C	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R3FL	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R3FR	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R3S	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R3RR	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R3RL	2007-001806	R-CHIP;1.5ohm,5%,1/10W,BK,1608	
R13C	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R13FL	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R13FR	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R13RL	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R13RR	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R13S	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R124	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R11C	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R11FL	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R11FR	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R11RL	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R11RR	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
R11S	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
CJ2	2007-007625	R-CHIP;0OHM,5%,1W,DA,TP,6432	
CJ1	2007-007625	R-CHIP;0OHM,5%,1W,DA,TP,6432	
C6	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,TP,1608	
SC1R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SC1L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC9R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC9L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC3R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SC2L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SR1R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SR1L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SC9R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SC9L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SC2R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C1RR	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C1RL	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C1FR	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C1FL	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C1C	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C1S	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC3L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC2R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC2L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC1R	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
HC1L	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C6C	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C16S	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C16RR	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C16RL	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C6FL	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C6FR	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C6RL	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C6RR	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C6S	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C16FR	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C12C	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C12FL	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C12FR	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
C12RL	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C12RR	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C16FL	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C16C	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C142	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C12S	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C7	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C14C	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C14FL	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C14FR	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C14RL	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C14RR	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C14S	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C13C	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C13FL	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C13FR	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C13S	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C13RR	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C13RL	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
SC6L	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
SC6R	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
SC7L	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
SC7R	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
HC6L	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
HC6R	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
HC7L	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
HC7R	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	
C5FR	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C5FL	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C5C	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C5RL	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C5RR	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C5S	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C18C	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C18FL	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C18FR	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C18S	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C18RR	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C18RL	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C2S	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C2RR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C2RL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C2FR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C2FL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C2C	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C3S	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C3RR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C3RL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C3FR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C3FL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C3C	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C19S	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C19RR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C19RL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C19FR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C19FL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C19C	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C20S	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C20RR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C20RL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C20C	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C20FL	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C20FR	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,-,2012	
C24	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C25	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C26	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4C	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4FL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4FR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C23	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C17C	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C17FL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C17FR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C17RL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C17RR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C17S	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C2	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4RL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C7S	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C9C	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C9FL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C9FR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C9RL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C9RR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C9S	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C7RR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4RR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4S	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C5	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C7C	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C7FL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C7FR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	

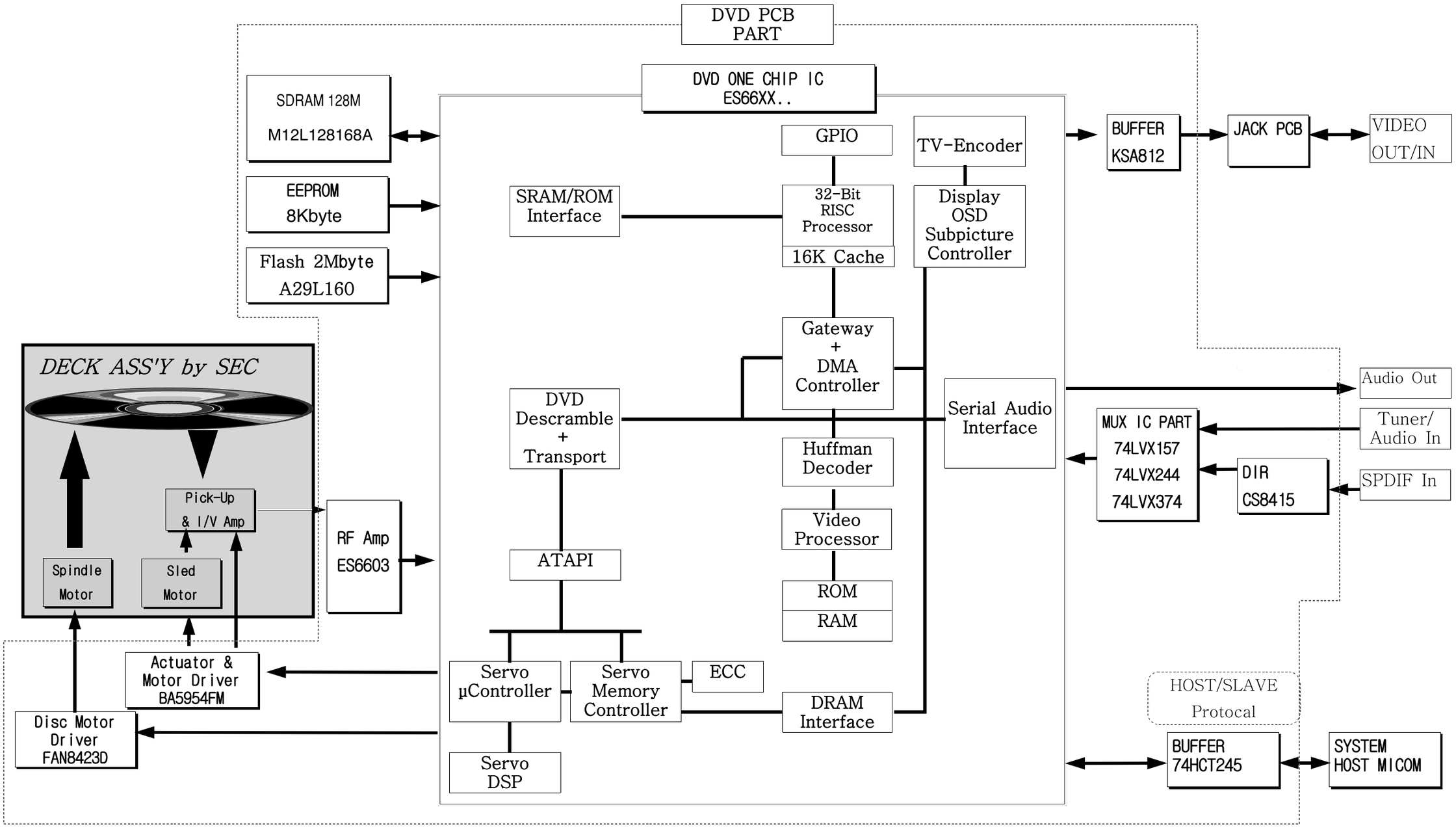
Location no.	Code no.	Description & Specification	Remarks
C7RL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C143	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C144	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C145	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C146	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C147	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C148	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C149	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C141	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C11C	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C11FL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C11FR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C11RL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C11RR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C11S	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C140	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C150	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C15FR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C15RL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C15RR	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C15S	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C174	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C175	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C177	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C15FL	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C151	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C152	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C153	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C154	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C155	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C156	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C15C	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C27	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C10S	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
C10RR	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
C10RL	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
C10C	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
C10FL	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
C10FR	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
C1	2401-000240	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C8	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C3	2401-000438	C-AL;10UF,20%,25V,GP,-,5X11,5	
C139	2401-000438	C-AL;10UF,20%,25V,GP,-,5X11,5	
SC4L	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
SC4R	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
SC5L	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
SC5R	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
HC5R	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
HC5L	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
HC4R	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
HC4L	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
C22	2401-001022	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
C138	2401-001355	C-AL;470uF,20%,10V,GP,TP,8x11.5mm,5	
C137	2401-001355	C-AL;470uF,20%,10V,GP,TP,8x11.5mm,5	
C136	2401-001355	C-AL;470uF,20%,10V,GP,TP,8x11.5mm,5	
C135	2401-001355	C-AL;470uF,20%,10V,GP,TP,8x11.5mm,5	
C178	2401-001364	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
FC1	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
SC8R	2401-001893	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
SC8L	2401-001893	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
HC8R	2401-001893	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
HC8L	2401-001893	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
SC2	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
SC1	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
HC2	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
HC1	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
SL1R	2703-000404	INDUCTOR-SMD;220uH,10%,3225	
SL1L	2703-000404	INDUCTOR-SMD;220uH,10%,3225	
HL1R	2703-000404	INDUCTOR-SMD;220uH,10%,3225	
HL1L	2703-000404	INDUCTOR-SMD;220uH,10%,3225	
FB4	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB3	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB2	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	
FB1	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA,TP,	

4. Block Diagram

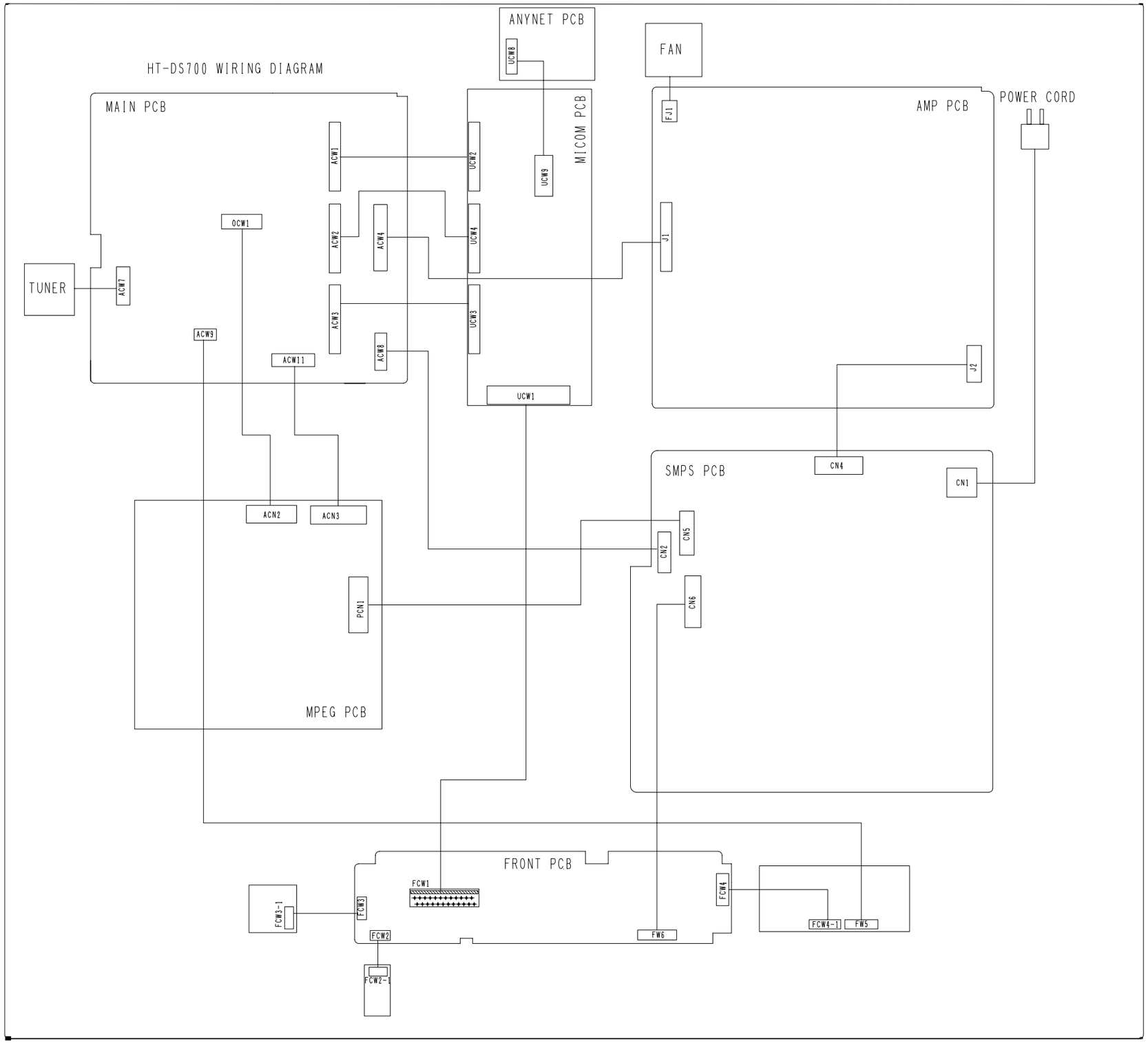
4-1 MAIN Part



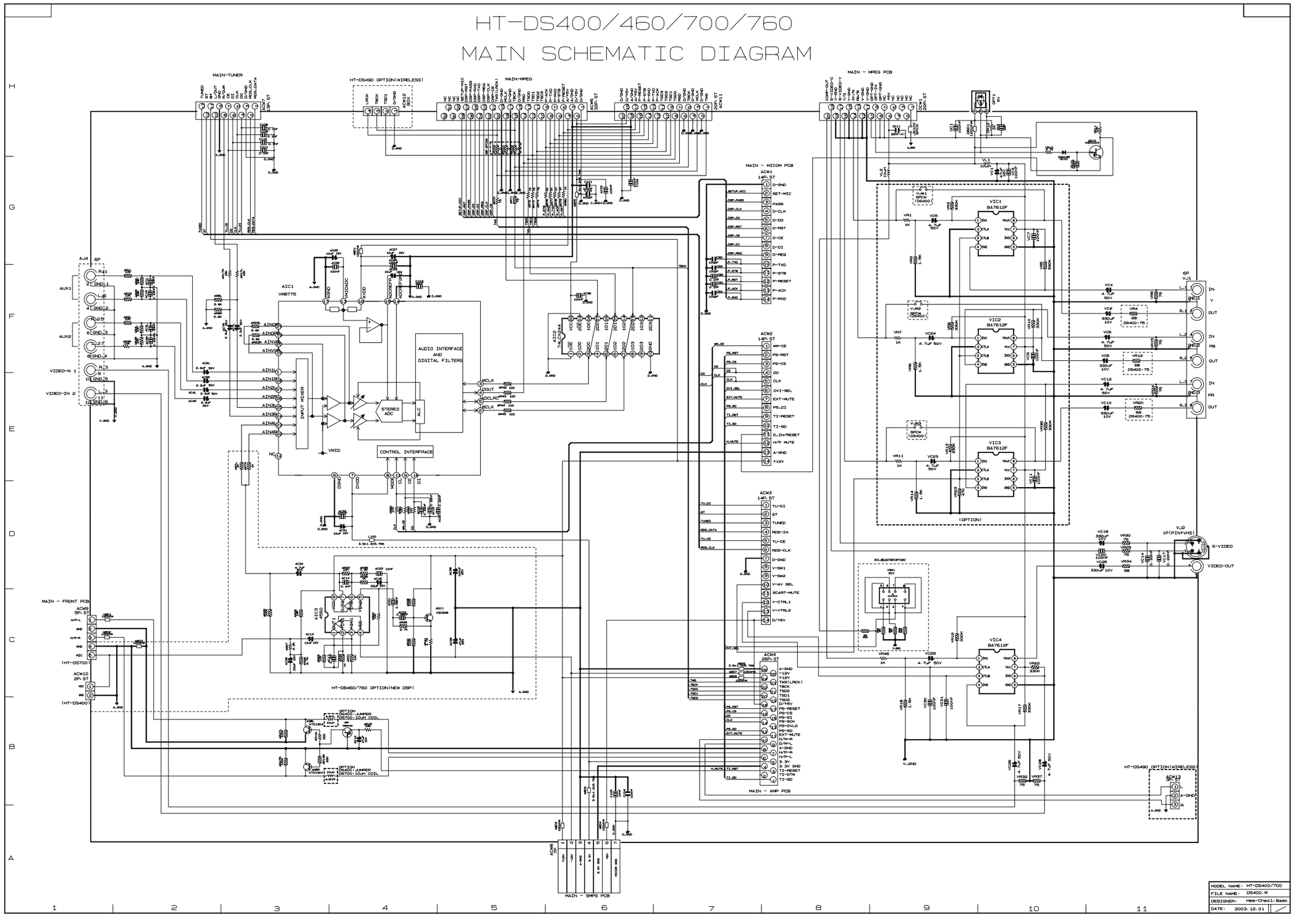
DVD BLOCK DIAGRAM



5. Wiring Diagram



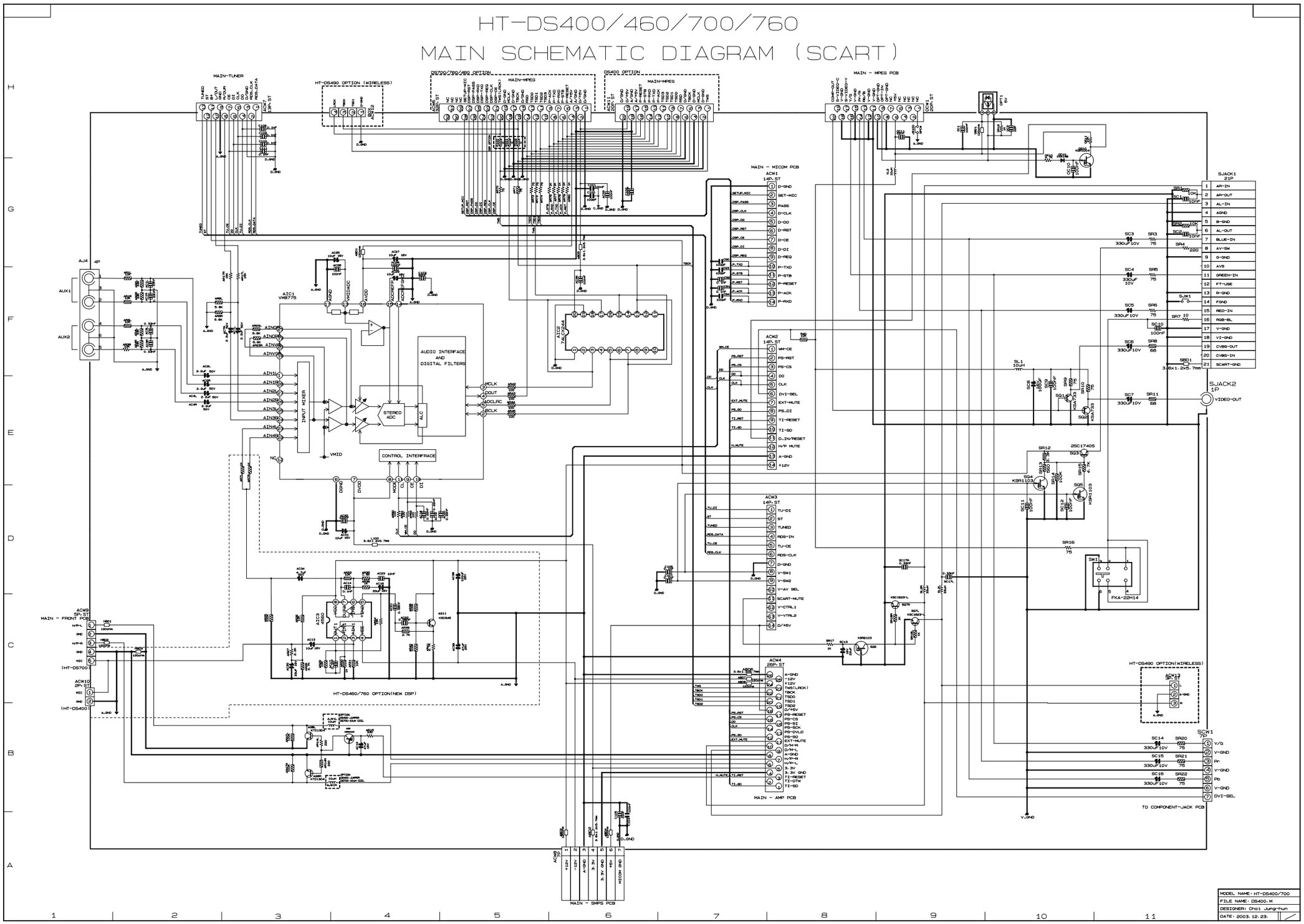
6-1-1 MAIN (RCA)


HT-DS400/460/700/760
MAIN SCHEMATIC DIAGRAM
MAIN-TUNER
HT-DS490 OPTION(WIRELESS)
MAIN-MPEG
MAIN - MPEG PCB
MAIN - MICOM PCB
MAIN - FRONT PCB
MAIN - AMP PCB
MAIN - SMPS PCB
AIC1
VM8775
AUDIO INTERFACE AND DIGITAL FILTERS
STEREO ADC
ALC
INPUT MIXER
CONTROL INTERFRACE
VIC1 BA7612F
VIC2 BA7612F
VIC3 BA7612F
VIC4 BA7612F
(OPTION)
HT-DB460/760 OPTION(NEW DSP)
OPTION DS400:JUMPER DS700:10uH COIL
OPTION T1-RESET DS700:10uH COIL
(HT-DS700)
(HT-DS400)
MODEL NAME: HT-DS400/700
FILE NAME: DS400.M
DESIGNER: Hee-Cheol Baek
DATE: 2003.12.01

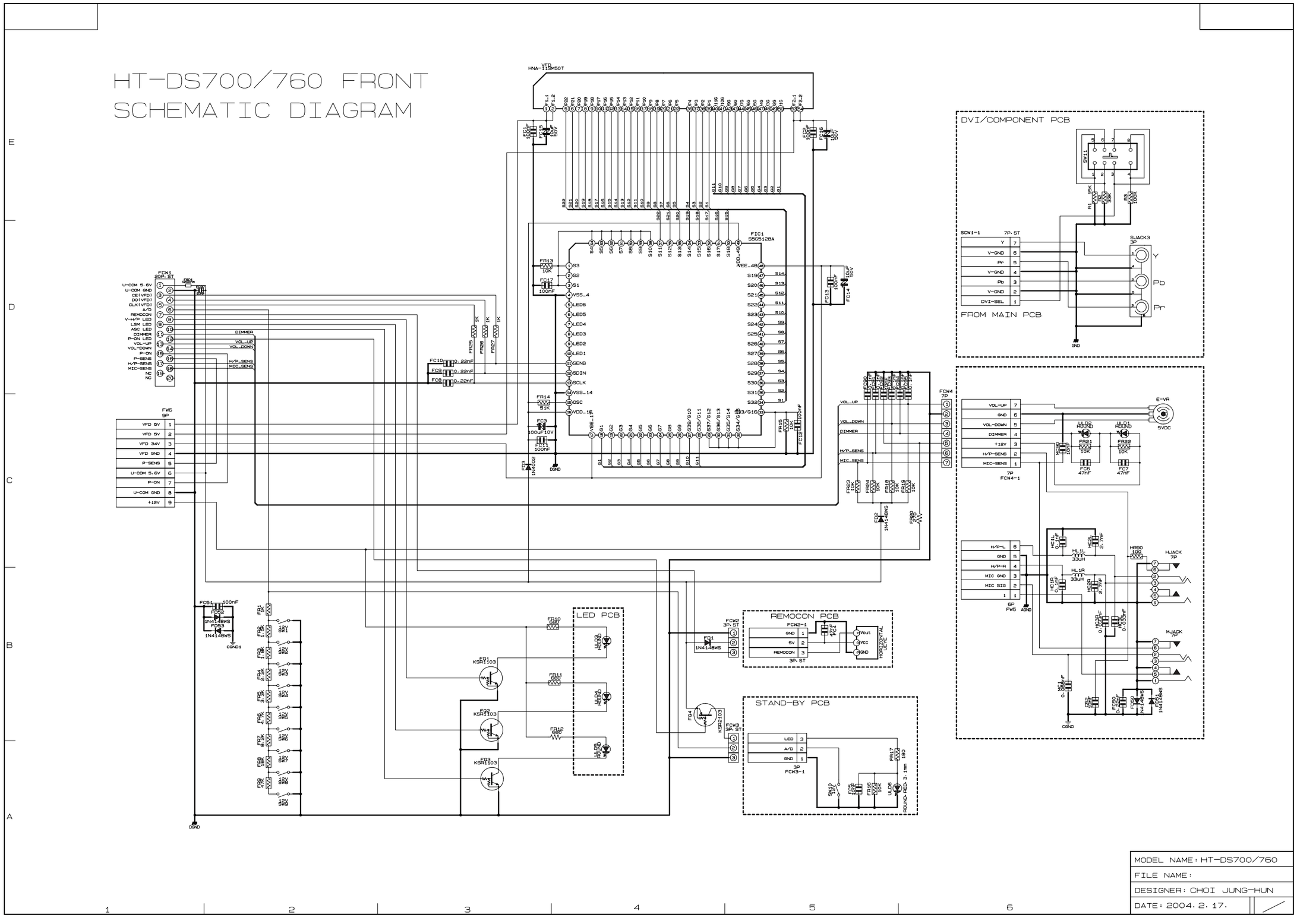
- This Document can not be used without Samsung's authorization -

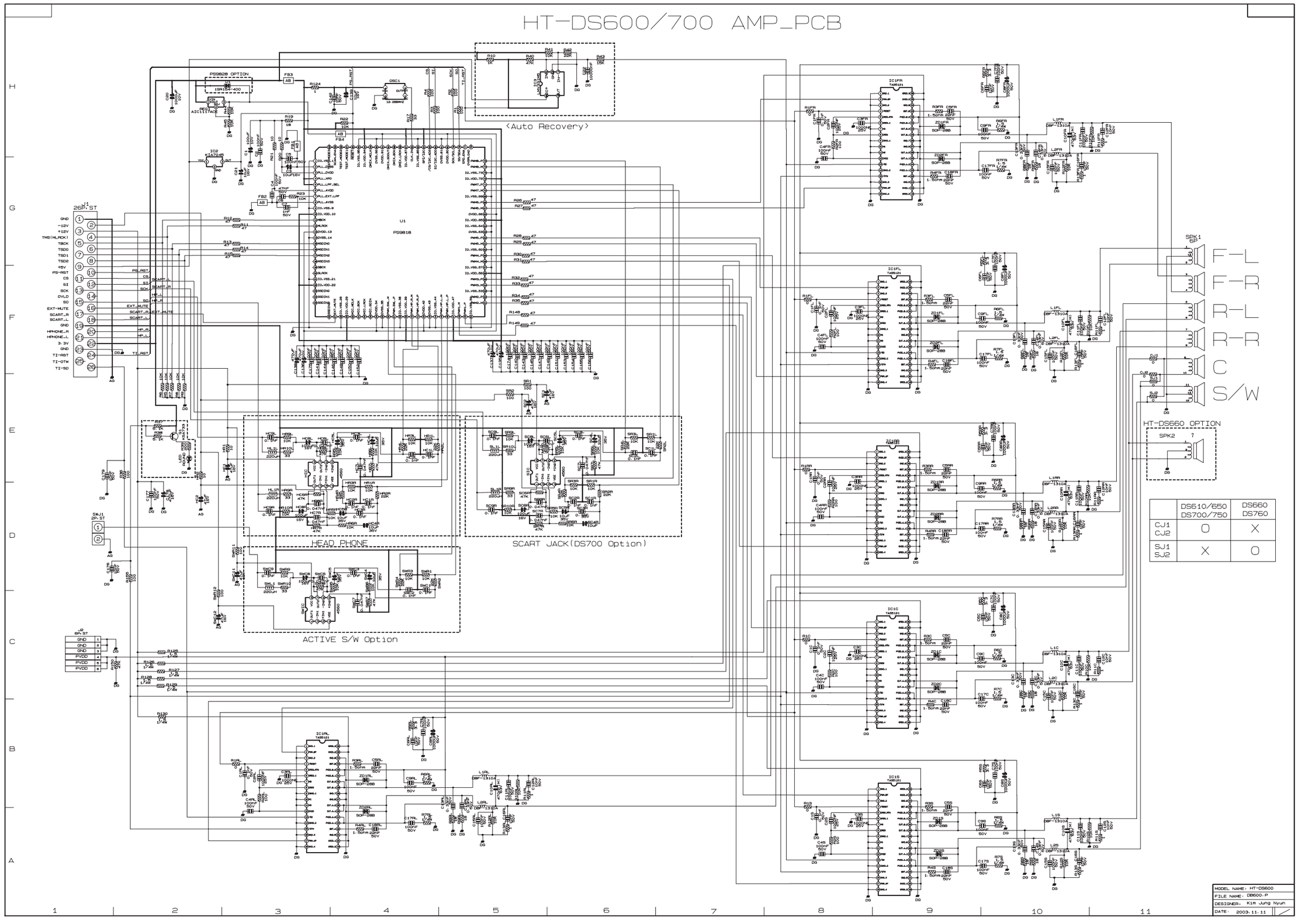
HT-DS400/460/700/760

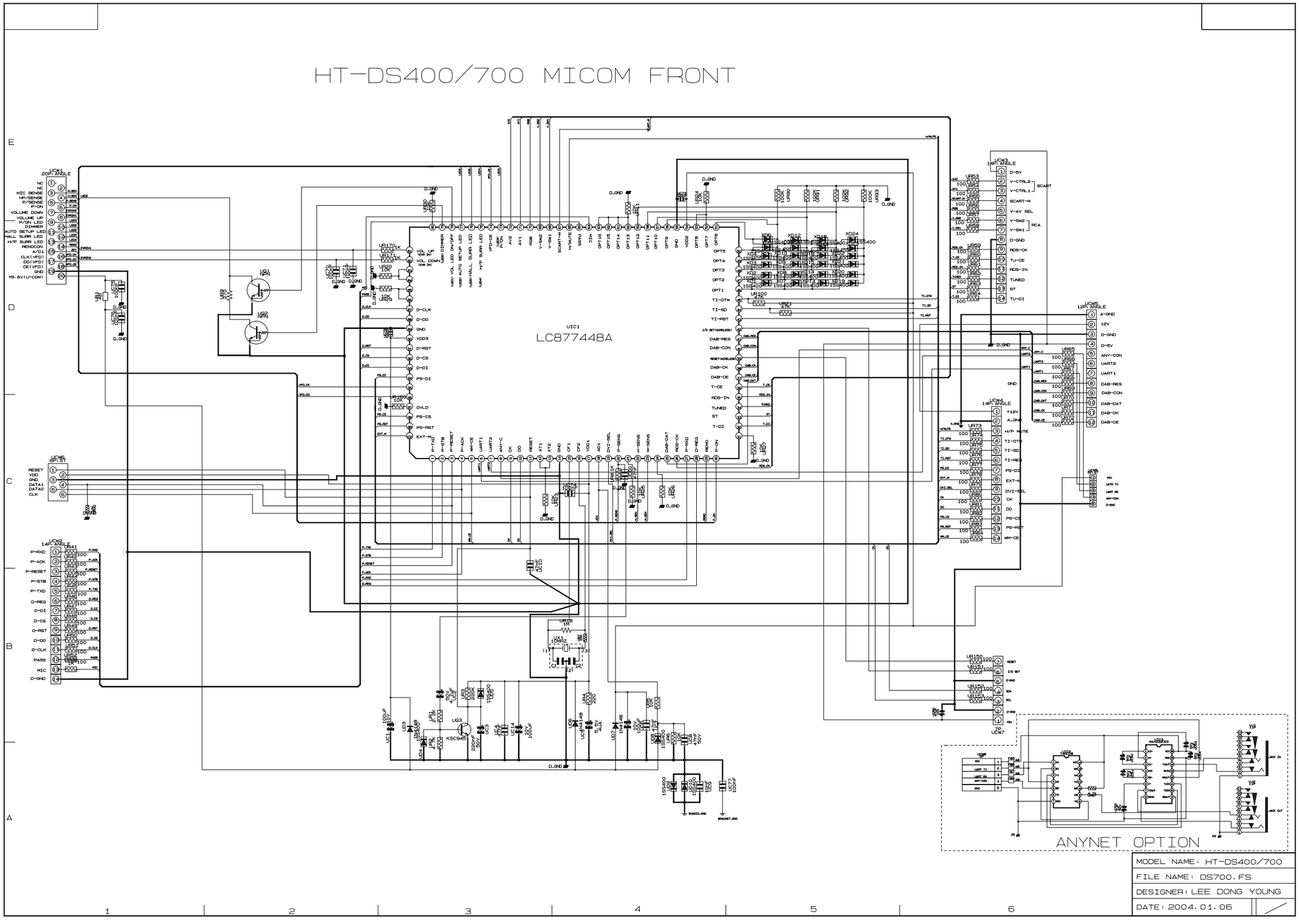
MAIN SCHEMATIC DIAGRAM (SCART)

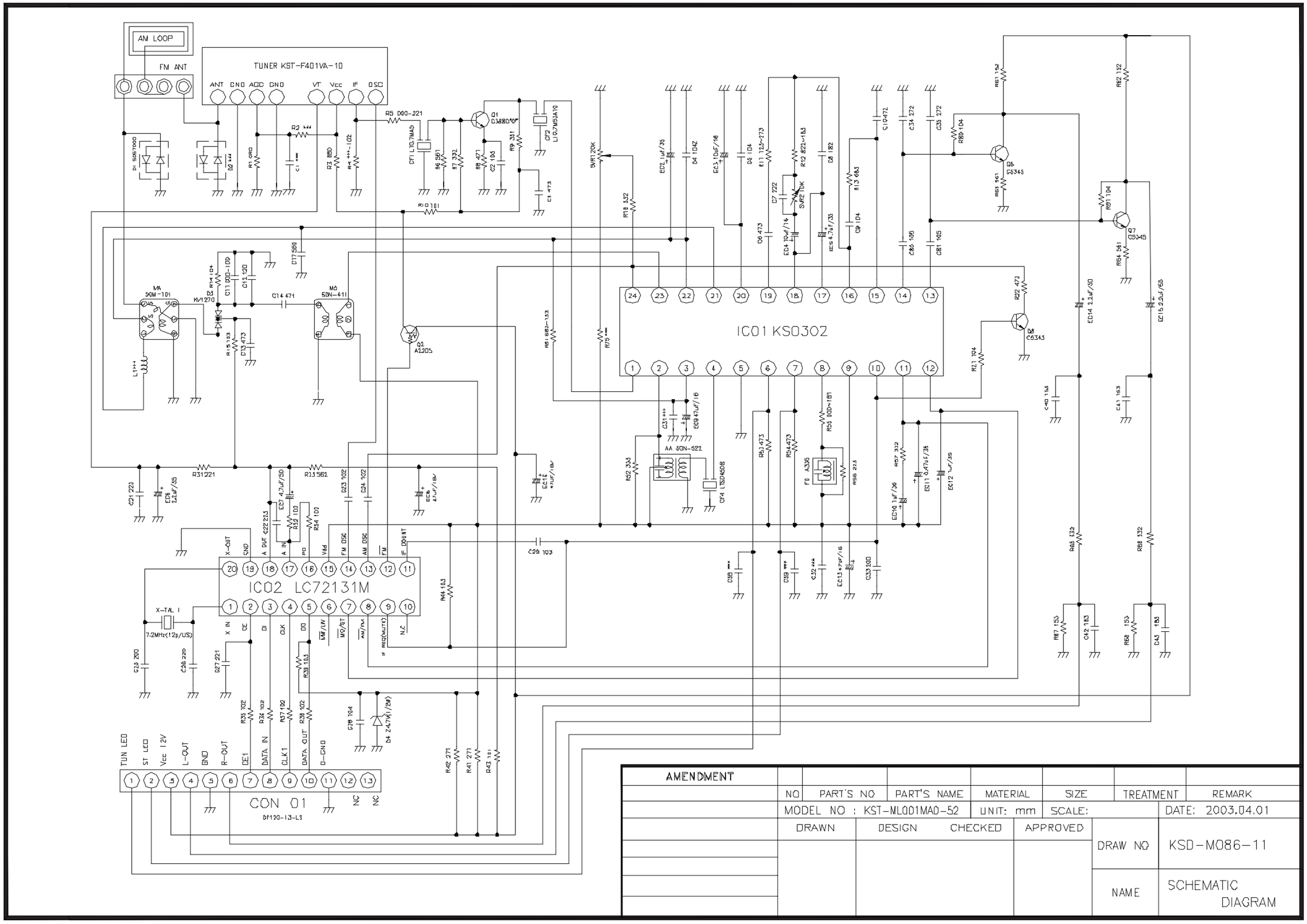


HT-DS700/760 FRONT SCHEMATIC DIAGRAM



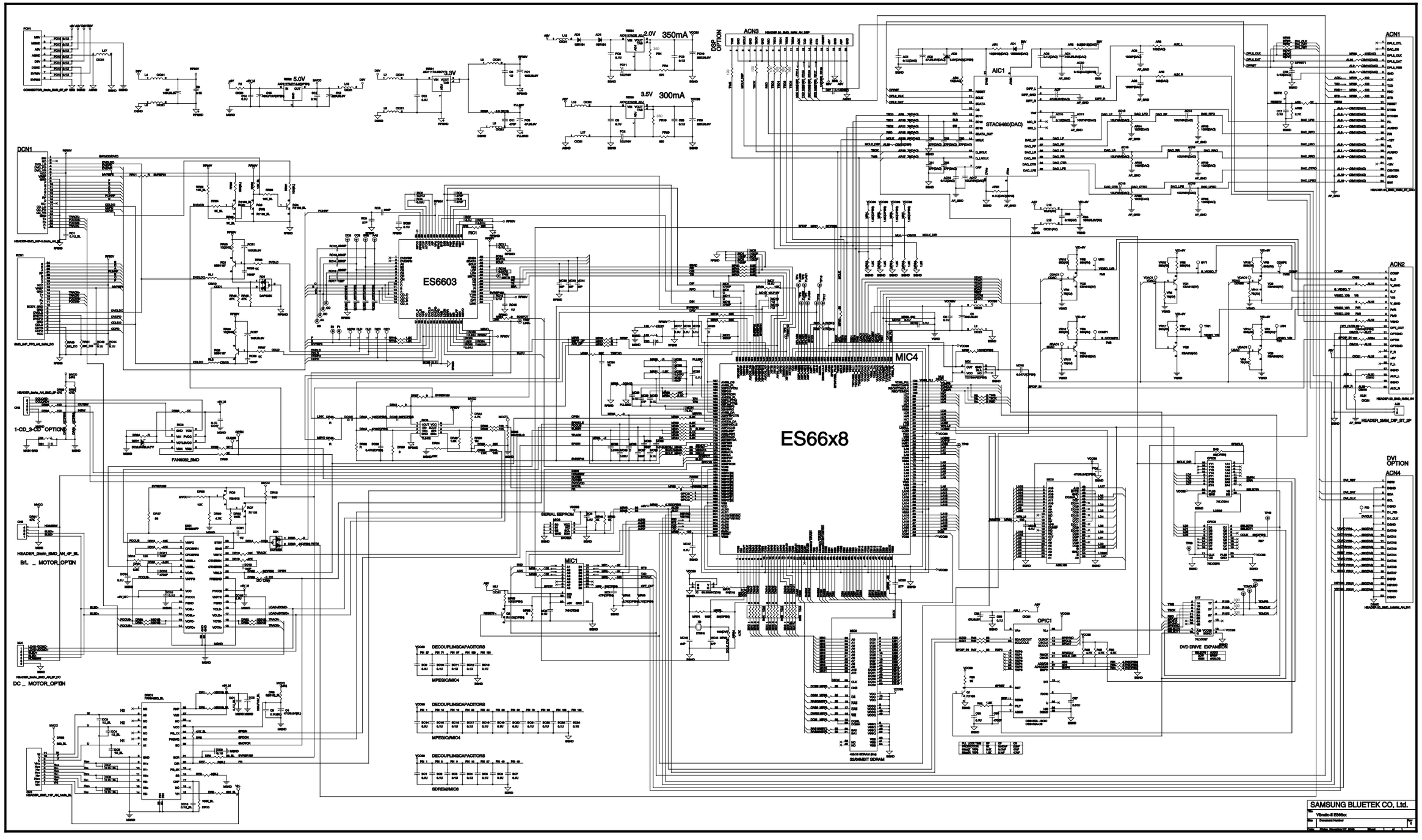

HT-DS600/700 AMP_PCB
<Auto Recovery>
HEAD PHONE
SCART JACK(DS700 Option)
ACTIVE S/W Option
HT-DS660 OPTION
SPK1
6P
F-L
F-R
R-L
R-R
C
S/W
SPK2
DS610/650 DS700/750
DS660 DS760
CJ1 CJ2
SJ1 SJ2
MODEL NAME: HT-DS600
FILE NAME: DB600.P
DESIGNER: Kim Jung Nyun
DATE: 2003.11.11


HT-DS400/700 MICOM FRONT
UIC1
LC877448A
ANYNET OPTION
MODEL NAME: HT-DS400/700
FILE NAME: DS700.FS
DESIGNER: LEE DONG YOUNG
DATE: 2004.01.06



AMENDMENT	NO	PART'S NO	PART'S NAME	MATERIAL	SIZE	TREATMENT	REMARK
	MODEL NO : KST-ML001MA0-52			UNIT: mm	SCALE:		DATE: 2003.04.01
	DRAWN	DESIGN	CHECKED	APPROVED	DRAW NO	KSD-M086-11	
					NAME	SCHEMATIC DIAGRAM	

*Note. The Component values of this Schematic diagram are subject to change without notice for improvement.

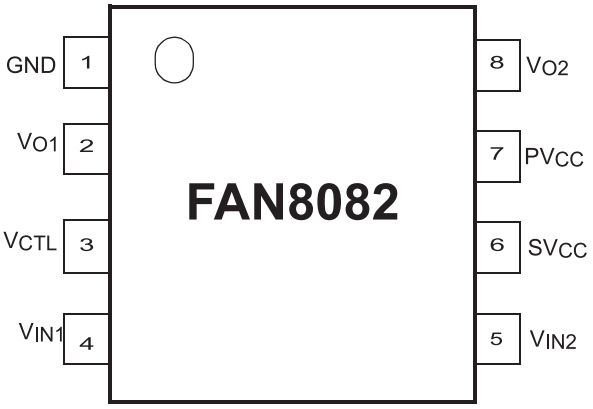

ES66x8
ES6603
STAC9460(DAC)
AIC1
MIC4
MIC1
OPIC1
ACN1
ACN2
ACN3
ACN4
DCN1
DVI OPTION
DSP OPTION
1-CD_3-CD OPTION
B/L _ MOTOR_OPTION
DC _ MOTOR_OPTION
DVD DRIVE EXPANDER
SERIAL EEPROM
MPEGIC/MIC4
MPEGIC/MIC6
SDRIEM/MIC6
SAMSUNG BLUETEK CO, Ltd.

7. IC Block Diagrams

7-1 Main

7-1-1. FAN8082

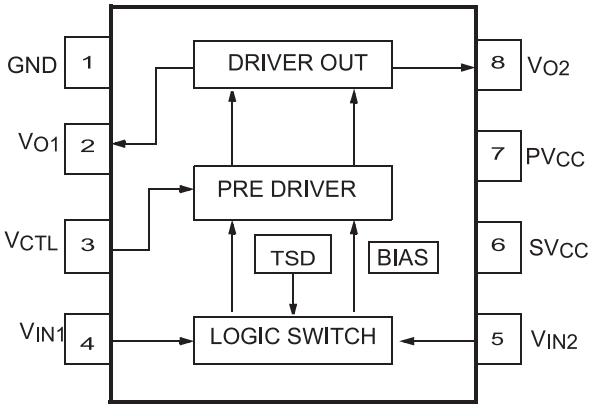
Pin Assignments

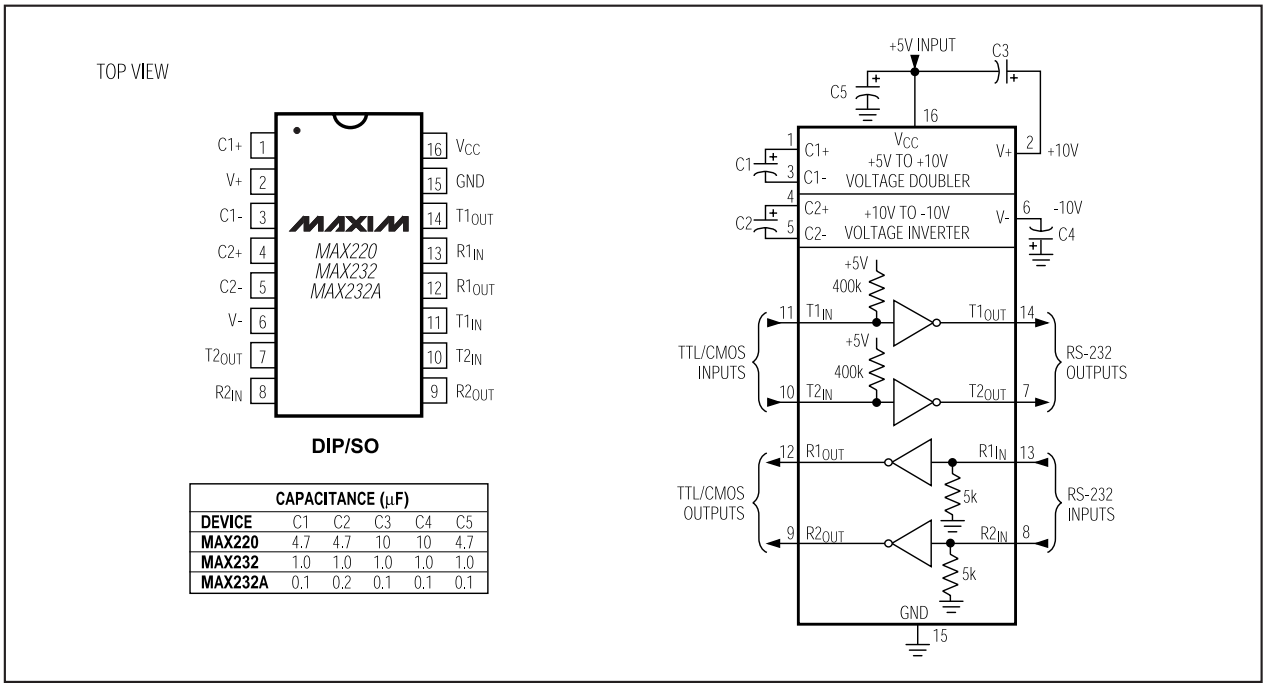


Pin Definitions

Pin Number	Pin Name	I/O	Pin Function Description
1	GND	-	Ground
2	V_{O1}	O	Output 1
3	V_{CTL}	I	Motor speed control
4	V_{IN1}	I	Input 1
5	V_{IN2}	I	Input 2
6	SV_{CC}	-	Supply voltage (Signal)
7	PV_{CC}	-	Supply voltage (Power)
8	V_{O2}	O	Output 2

Internal Block Diagram





CAPACITANCE (µF)					
DEVICE	C1	C2	C3	C4	C5
MAX220	4.7	4.7	10	10	4.7
MAX232	1.0	1.0	1.0	1.0	1.0
MAX232A	0.1	0.2	0.1	0.1	0.1

Figure 5. MAX220/MAX232/MAX232A Pin Configuration and Typical Operating Circuit

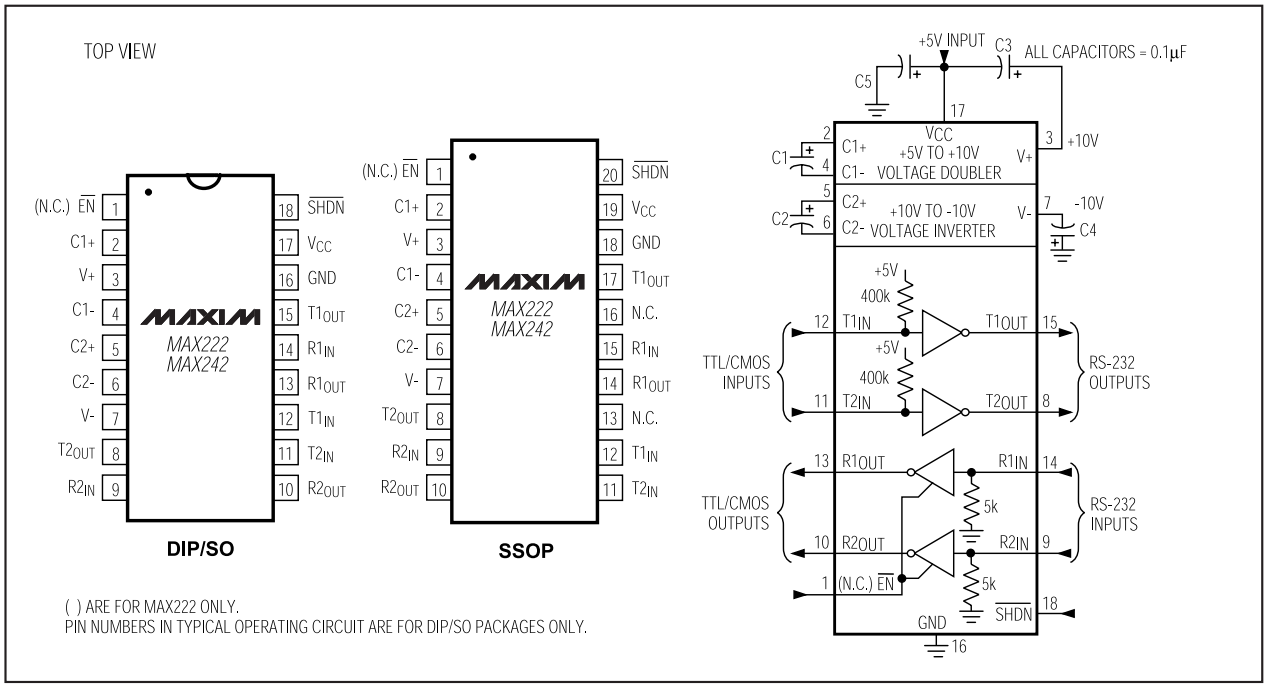
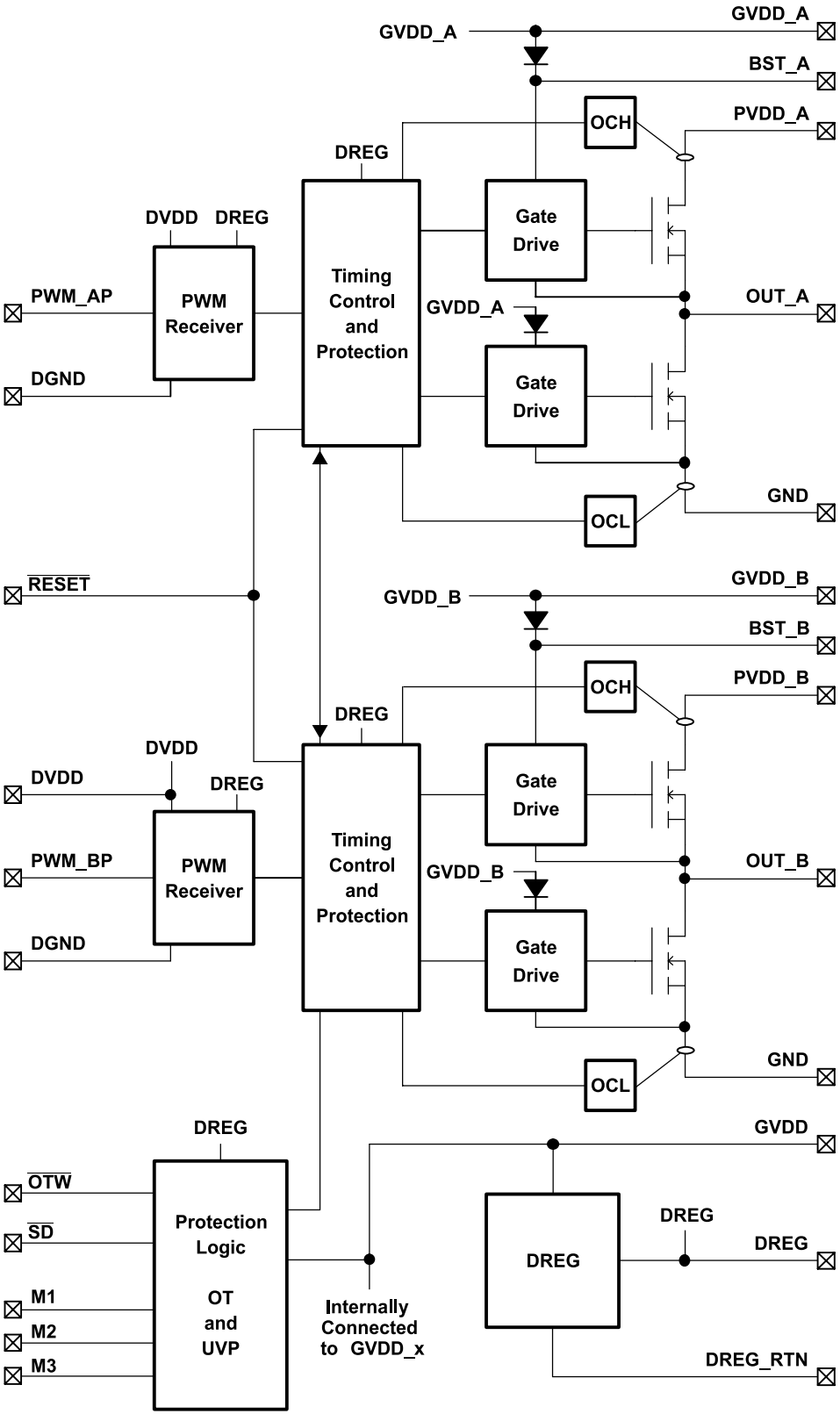
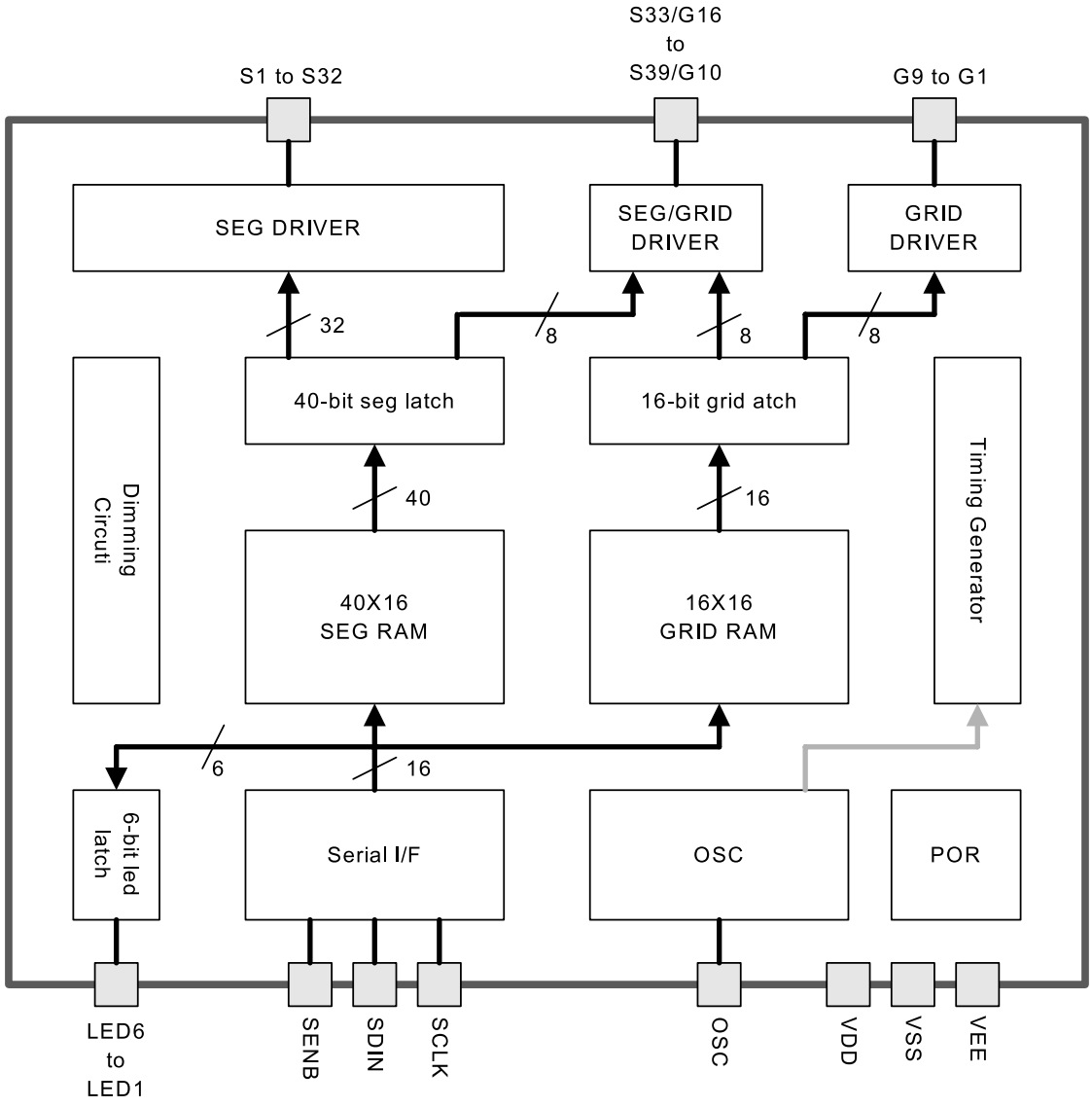


Figure 6. MAX222/MAX242 Pin Configurations and Typical Operating Circuit

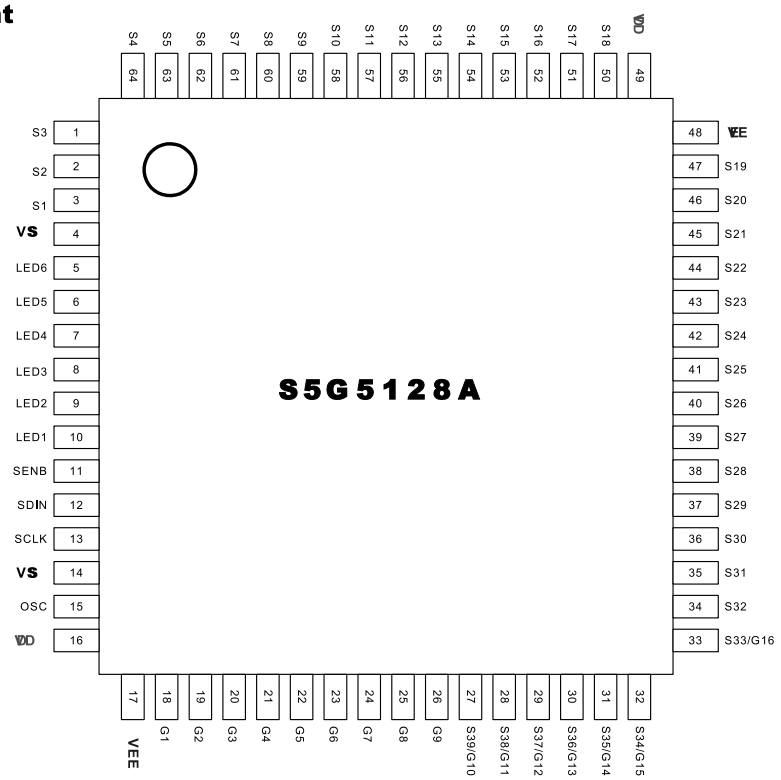
FUNCTIONAL BLOCK DIAGRAM



Block Diagram



Pin Assignment

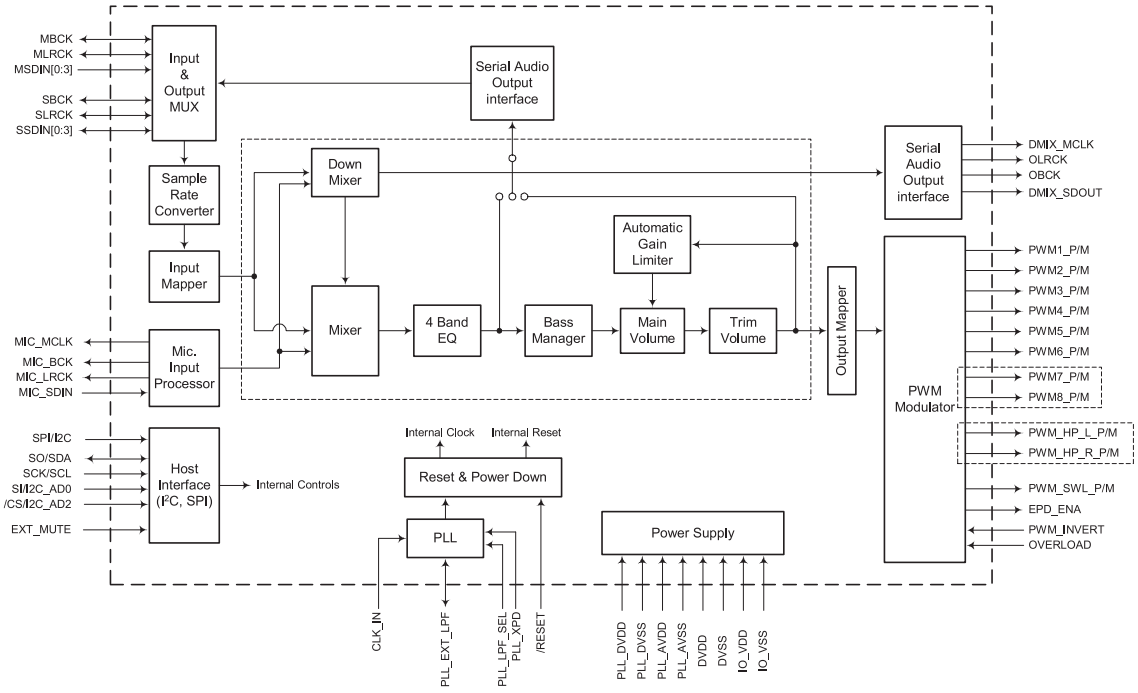


Pin Description

Pin No.	Name	Function	IN/OUT
1 to 3	S3 to S1	Segment driver output pins (segment only). This is P-ch open-drain output with pull-down resistor	O
5 to 10	LED6 to LED1	6 LED driver output ports. This is a CMOS output pin.	O
11	SENB	Serial Interface Enable All shifted data is latched into the corresponding register at the rising edge of SENB.	I
12	SDIN	Serial Interface Data IN Input serial data at the rising edge of the shift clock.	I
13	SCLK	Serial Interface Clock Reads serial data at the rising edge when SENB is low	I
15	OSC	Connected to an external resistor or an RC oscillator circuit.	I/O
18 to 26	G1 to G9	Grid driver output pins (Grid only). This is push-pull cmos output.	O
27to 33	S39/G10 to S33/G16	Segment or Grid driver output pins. These pins are selectable for segment or grid driving. This is P-ch open-drain output with pull-down resistor	O
34 to 47	S32 to S19	Segment driver output pins (segment only). This is P-ch open-drain output with pull-down resistor	O
50 to 64	S18 to S4	Segment driver output pins (segment only). This P-ch open-drain output with pull-down resistor	O
16,49	VDD	Positive power (Internally connected)	PWR
4,14	VSS	Ground (Internally connected)	GND
17,48	VEE	Negative power for driving VFD Panel (Internally connected)	PWR

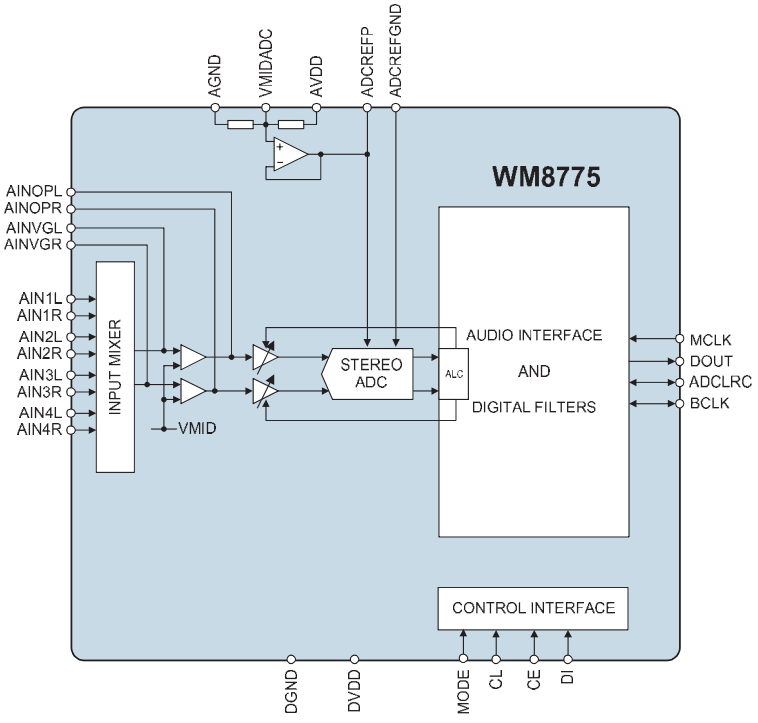
7-1-5. PS9818

Functional Block Diagram



7-1-6. WM8775

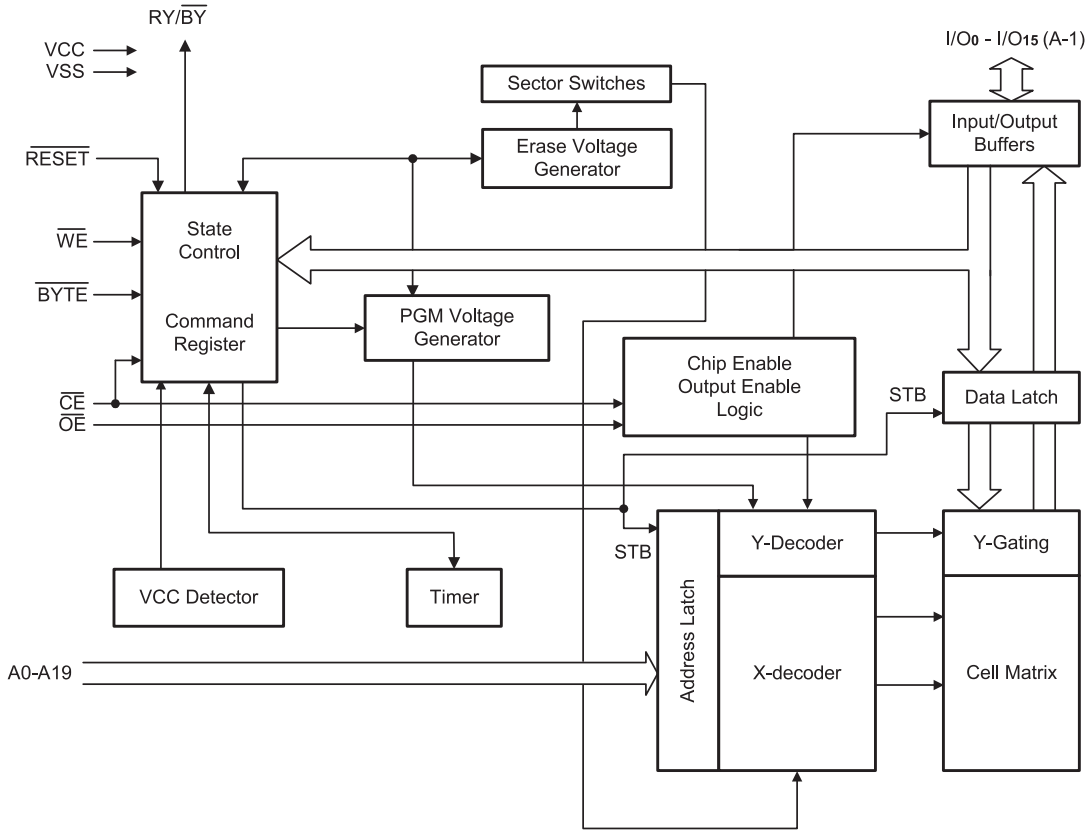
BLOCK DIAGRAM



7-2 DVD

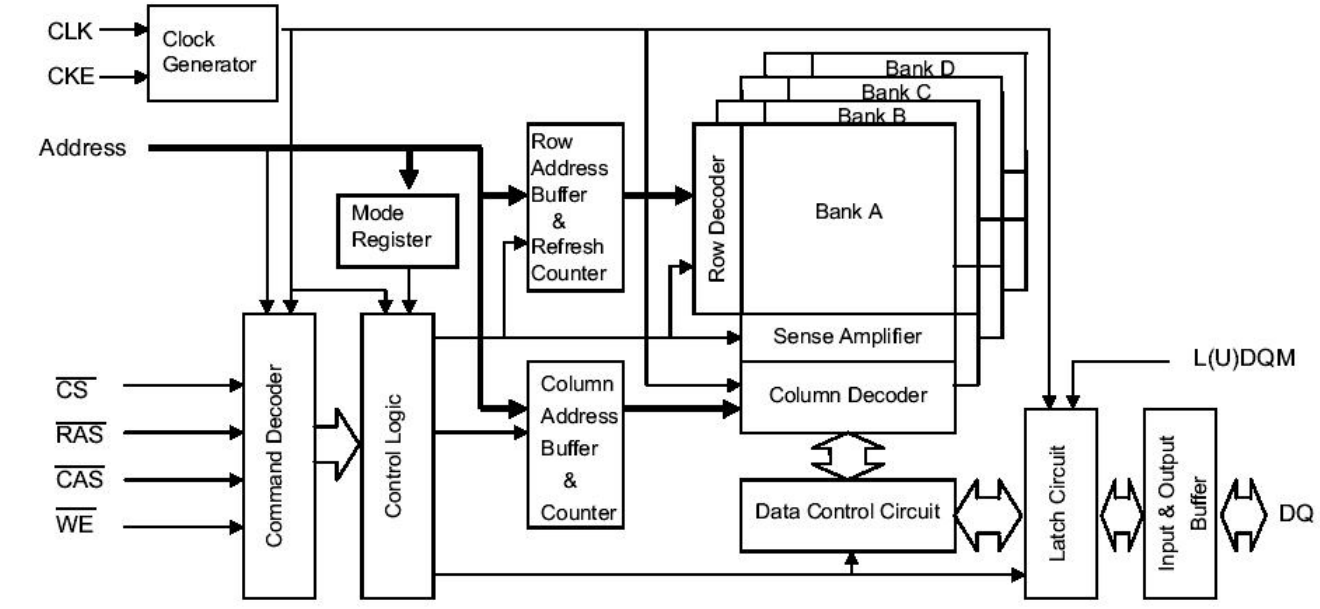
7-2-1. A29L160

Block Diagram

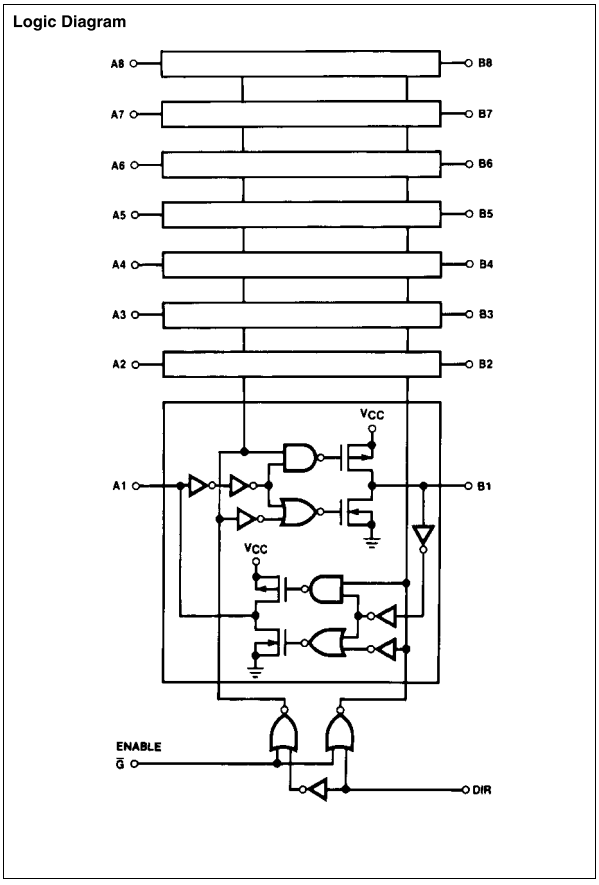


7-2-2. ESMT_M12L128168A

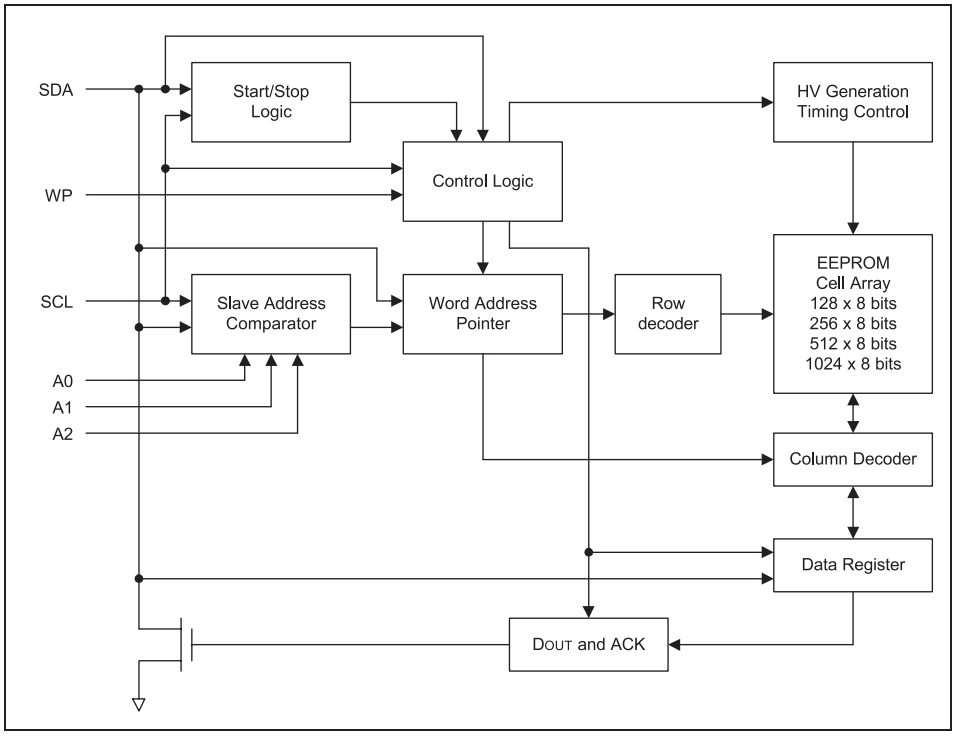
BLOCK DIAGRAM



7-2-3. 74HCT245



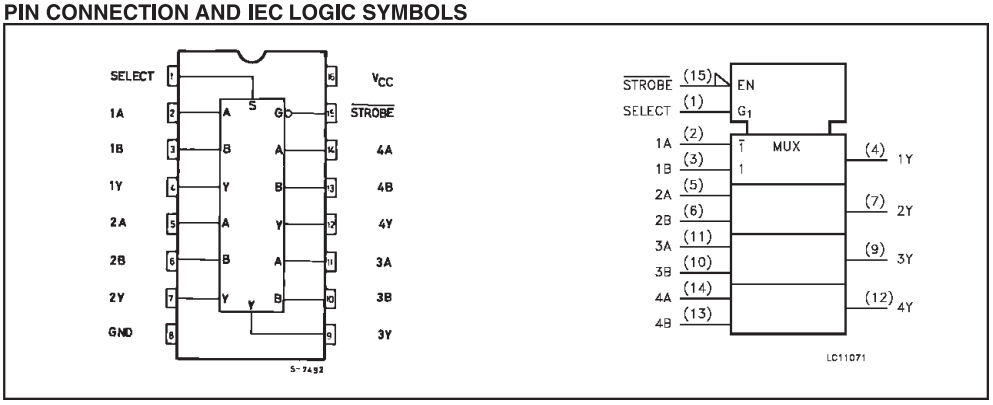
7-2-4. S524C20D21_20D41



S524C20D11/20D21/80D41/80D81 Block Diagram

7-2-5. STM_74LCX157

PIN CONNECTION AND IEC LOGIC SYMBOLS

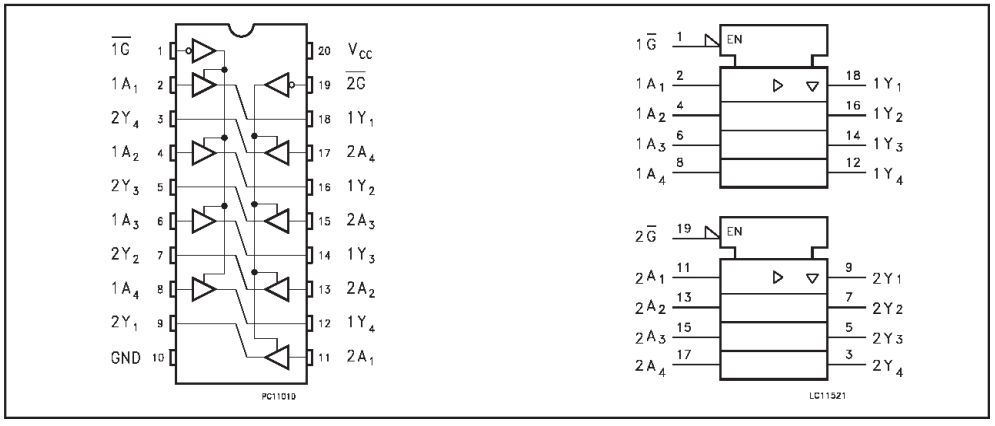


PIN DESCRIPTION

PIN No	SYMBOL	NAME AND FUNCTION
1	SELECT	Common Data Select Inputs
2, 5, 11, 14	1A to 4A	Data Inputs From Source A
3, 6, 10, 13	1B to 4B	Data Inputs From Source B
4, 7, 9, 12	1Y to 4Y	Multiplexer Outputs
15	STROBE	Strobe Input
8	GND	Ground (0V)
16	V_{CC}	Positive Supply Voltage

7-2-6. STM_74LCX244

PIN CONNECTION AND IEC LOGIC SYMBOLS



PIN DESCRIPTION

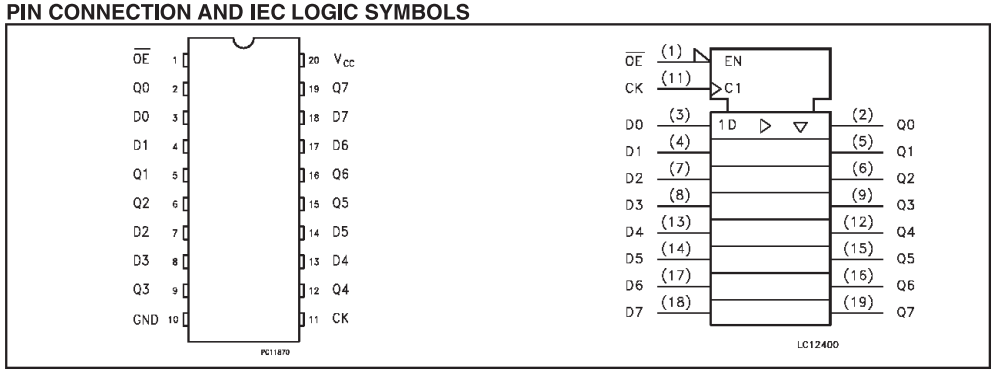
PIN No	SYMBOL	NAME AND FUNCTION
1	$\overline{1G}$	Output Enable Input
2, 4, 6, 8	1A1 to 1A4	Data Inputs
9, 7, 5, 3	2Y1 to 2Y4	Data Outputs
11, 13, 15, 17	2A1 to 2A4	Data Inputs
18, 16, 14, 12	1Y1 to 1Y4	Data Outputs
19	$\overline{2G}$	Output Enable Input
10	GND	Ground (0V)
20	V_{CC}	Positive Supply Voltage

TRUTH TABLE

INPUT		OUTPUT
$\overline{G}$	An	Yn
L	L	L
L	H	H
H	X	Z

X : Don't Care
Z : High Impedance

PIN CONNECTION AND IEC LOGIC SYMBOLS



PIN DESCRIPTION

PIN No	SYMBOL	NAME AND FUNCTION
1	OE	3 State Output Enable Input (Active LOW)
2, 5, 6, 9, 12, 15, 16, 19	Q0 to Q7	3-State Outputs
3, 4, 7, 8, 13, 14, 17, 18	D0 to D7	Data Inputs
11	CK	Clock Input (LOW to HIGH, edge triggered)
10	GND	Ground (0V)
20	V_{CC}	Positive Supply Voltage

TRUTH TABLE

INPUT			OUTPUT
$\overline{OE}$	CK	D	Q
H	X	X	Z
L	↓	X	NO CHANGE
L	↑	L	L
L	↑	H	H

X : Don't Care
Z : High Impedance

DS400/700 MICOM PORT (LC877448) rev3

(ANYNET,DAB적용)

2003.11.04 백D

NO	PORT	NAME	I/O	TYPE	FUNCTION	NO	PORT	NAME	I/O	TYPE	FUNCTION
1	P06	P-TXD	O		P-TXD	51	PC5	OPT 06	O		OPTION OUT6
2	P07	P-STB	O		P-STB 52		PC6				
3	P10	P-RESET	O		PACK RESET	53	PC7				
4	P11	P-ACK	I		PACK ACK	54	VDD2	VDD2			VDD 5V
5	P12	WM-CE	O		CE(WM8775)	55	VSS2	VSS2			GND
6	P13	UART1	O		ANY-ART RX	56	PD0	OPT I1	I		OPTION IN1
7	P14	UART2	O		ANY-ART TX	57	PD1	OPT I2	I		OPTION IN2
8	P15	ANY-C	O		ANY-CON	58	PD2	OPT I3	I		OPTION IN3
9	P16	CK	O		PS/WM/VFD/TU/WL CLK	59	PD3	OPT I4	I		OPTION IN4
10	P17	DO	O		PS/WM/VFD/TU/WL DATA	60	PD4				
11	RES	RESET	I		MICOM RESET	61	PD5				
12	XT1	XT1	I		NC(PULL UP)	62	PD6				
13	XT2	XT2	O		NC(OPEN)	63	PD7				
14	VSS1	GND			GND	64	PE0	MIC	O		DSP-SETUP MIC
15	CF1	CF1	I		10MHZ OSC IN	65	PE1	PASS	O		DSP PASS-THROUGH
16	CF2	CF2	O		10MHZ OSC OUT	66	PE2	H/MUTE	O		HEAD PHONE MUTE
17	VDD1	VDD1			VDD 5V	67	PE3	SCART-M	O		SCART MUTE
18	P80	AD1	I	AD	KEY A/D 1	68	PE4	V-SW1	O		A/V SW1
19	P81	AD2	I	AD	DVI Video Selector	69	PE5	V-SW2	O		A/V SW2
20	P82	P-SENS	I		POWER SENSE	70	PE6	RGB	O		V-AV SEL
21	P83					71	PE7	AV1	O		V-CTRL1
22	P84	H-SEN	I		HP SENSE	72	PF0	AV2	O		V-CTRL2
23	P85	M-SEN	I		MIC SENSE	73	PF1	LED3	O		P/ON LED(Active"L")
24	P86					74	PF2	VFD-CE	O		CE(LC75725)
25	P87	DAB-DAT	I/O		DAB DATA I/O	75	PF3	LED4	O		H/P Surr LED
26	P70	RDS-CK	I	INT	RDS CLK/ DAB REQ	76	PF4	LED5	O		Hall Surr LED
27	P71	P-RXD	I	INT	PACK RXD	77	PF5	LED6	O		Auto SETUP LED
28	P72	D-REQ	I	INT	DSP REQUEST	78	PF6	LED1	O		Volume LED ON/OFF
29	P73	REMO	I	INT	REMOCON	79	PF7	LED2	O		Volume DIMMER
30	PA0	P-ON	O		POWER ON	80	PL6				
31	PA1					81	PL5	EVR IN	I		VOLUME UP
32	PA2	T-DI	I		TUNER DATA IN	82	PL4	EVR IN	I		VOLUME DOWN
33	PA3	ST	I		STEREO	83	PL0				
34	PA4	TUNED	I		TUNED	84	PL1				
35	PA5	RDS-IN	I		RDS-IN	85	PL2				
36	PA6	T-CE	O		TUNER CE	86	PL3				
37	PA7	DAB-CE	O		DAB CE	87	P30	D-CLK	O		DSP CLK
38	PB0	DAB-CK	O		DAB-CLK	88	P31	D-DO	O		DSP DATA OUT
39	PB1					89	VSS3	VSS3			GND
40	PB2	DAB-CON	O		DAB CONTROL	90	VDD3	VDD3			VDD 5V
41	PB3	DAB-RES	O		DAB RESET	91	P32	D-RST	O		DSP RESET
42	PB4					92	P33	D-CS	O		DSP CHIP SELECT
43	PB5	TI-RST	O		RESET(TAS5111/5112)	93	P34	D-DI	I		DSP DATA IN
44	PB6	TI-SD	I		SHUT DOWN(TAS5111/5112)	94	P35	PS-DI	I		SO(PS9818)
45	PB7	TI-OTW	I		OTW(TAS5111/5112)	95	P00				
46	PC0	OPT 01	O		OPTION OUT1	96	P01				
47	PC1	OPT 02	O		OPTION OUT2	97	P02	OVLD	O		OVERLOAD(PS9818)
48	PC2	OPT 03	O		OPTION OUT3	98	P03	PS-CS	O		CS(PS9818)
49	PC3	OPT 04	O		OPTION OUT4	99	P04	PS-RST	O		RESET(PS9818)
50	PC4	OPT 05	O		OPTION OUT5	100	P05	EXT-M	O		EXT_MUTE(PS9818)

<UPDATE CONNECTION>

6	5	CLK
5	4	DATA0
4	3	DATA1
3	17	VDD
2	14	GND
1	11	RESET

<PACK CONNECTION>

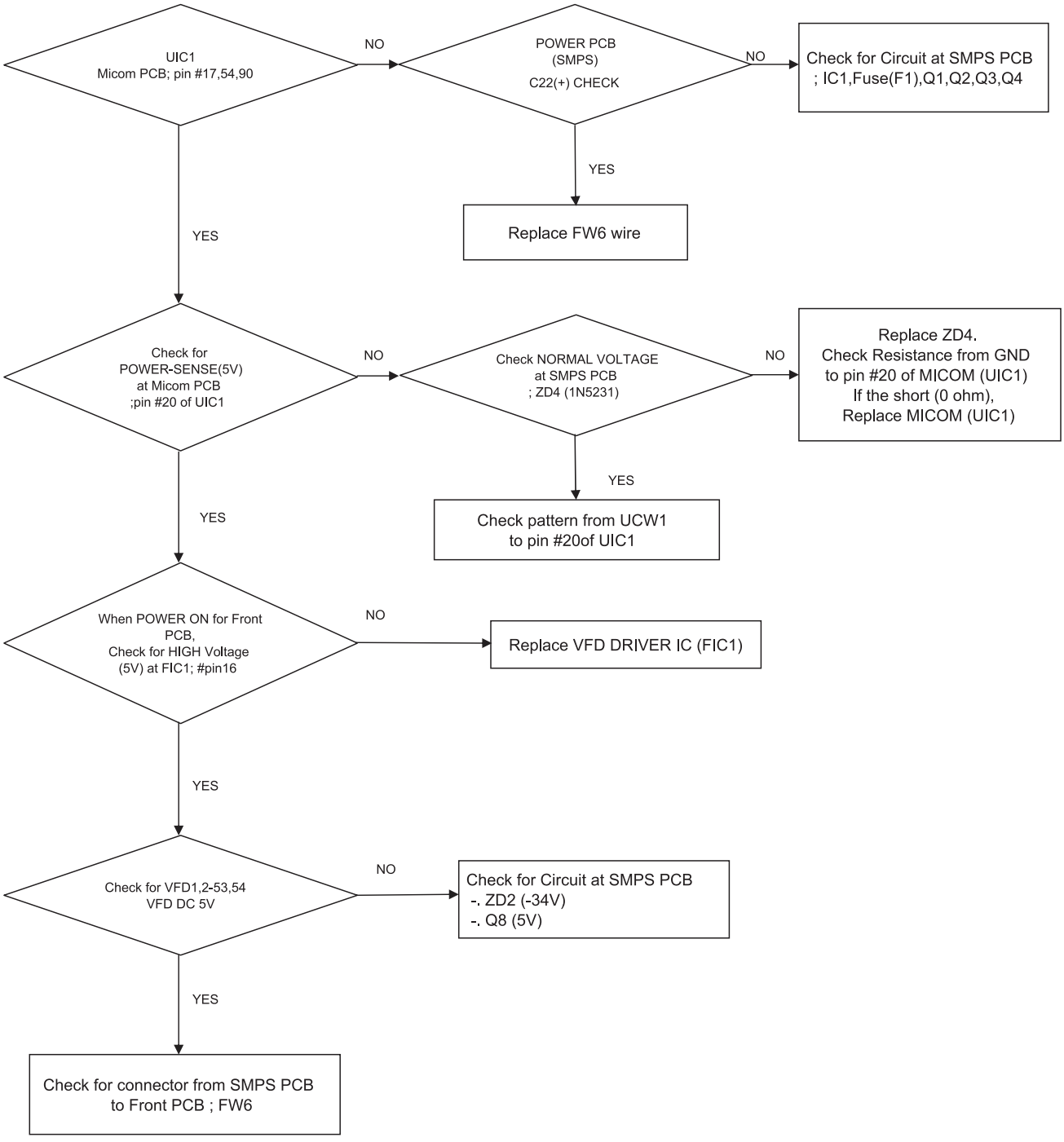
DVD-PACK		MICOM
P-RXD	<--	P-TXD
P-TXD	-->	P-RXD
P-ACK	<--	P-STB
P-STB	-->	P-ACK

FRONT<--->SUB PCB

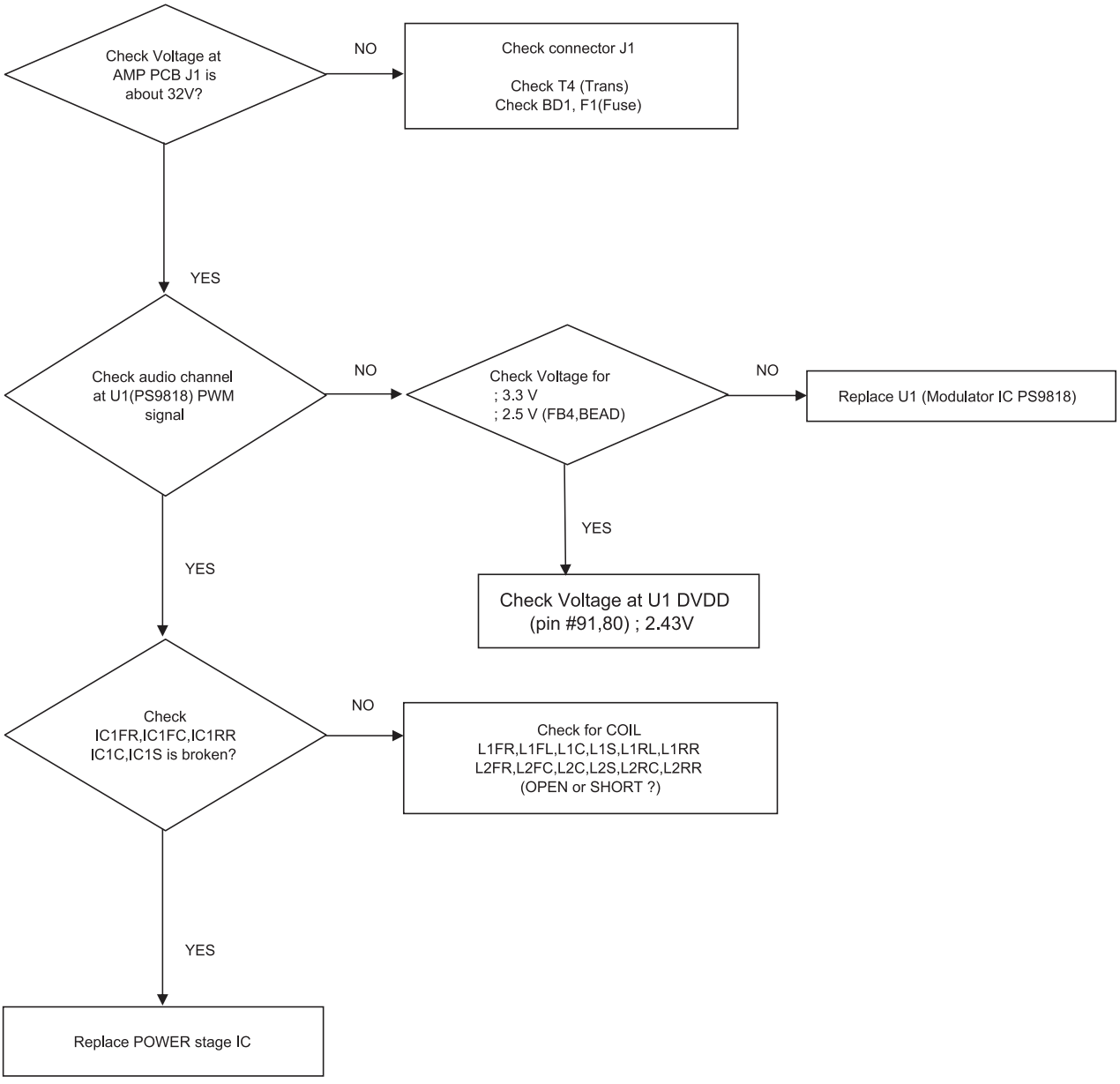
8. TroubleShooting

8-1 Main

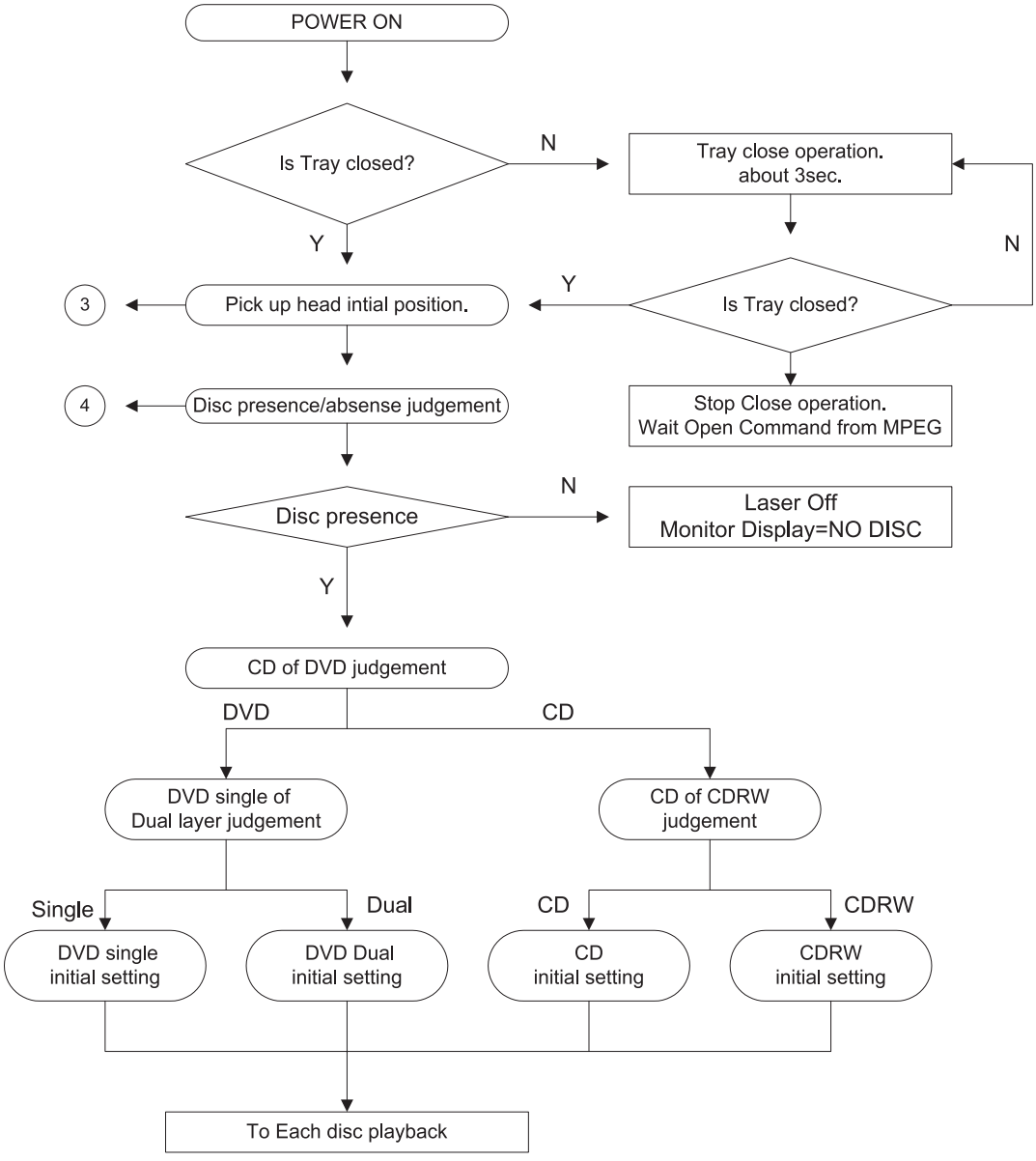
1.Main(Power)

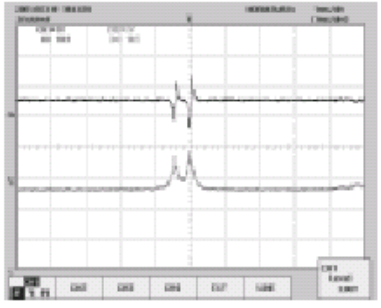


2.Output

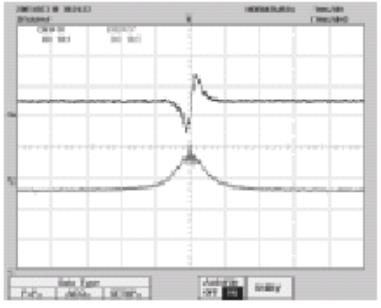

Check Voltage at AMP PCB J1 is about 32V?
NO
Check connector J1
Check T4 (Trans)
Check BD1, F1(Fuse)
YES
Check audio channel at U1(PS9818) PWM signal
NO
Check Voltage for
; 3.3 V
; 2.5 V (FB4,BEAD)
NO
Replace U1 (Modulator IC PS9818)
YES
Check Voltage at U1 DVDD
(pin #91,80) ; 2.43V
YES
Check
IC1FR,IC1FC,IC1RR
IC1C,IC1S is broken?
NO
Check for COIL
L1FR,L1FL,L1C,L1S,L1RL,L1RR
L2FR,L2FC,L2C,L2S,L2RC,L2RR
(OPEN or SHORT ?)
YES
Replace POWER stage IC

1. Initial operation after power ON



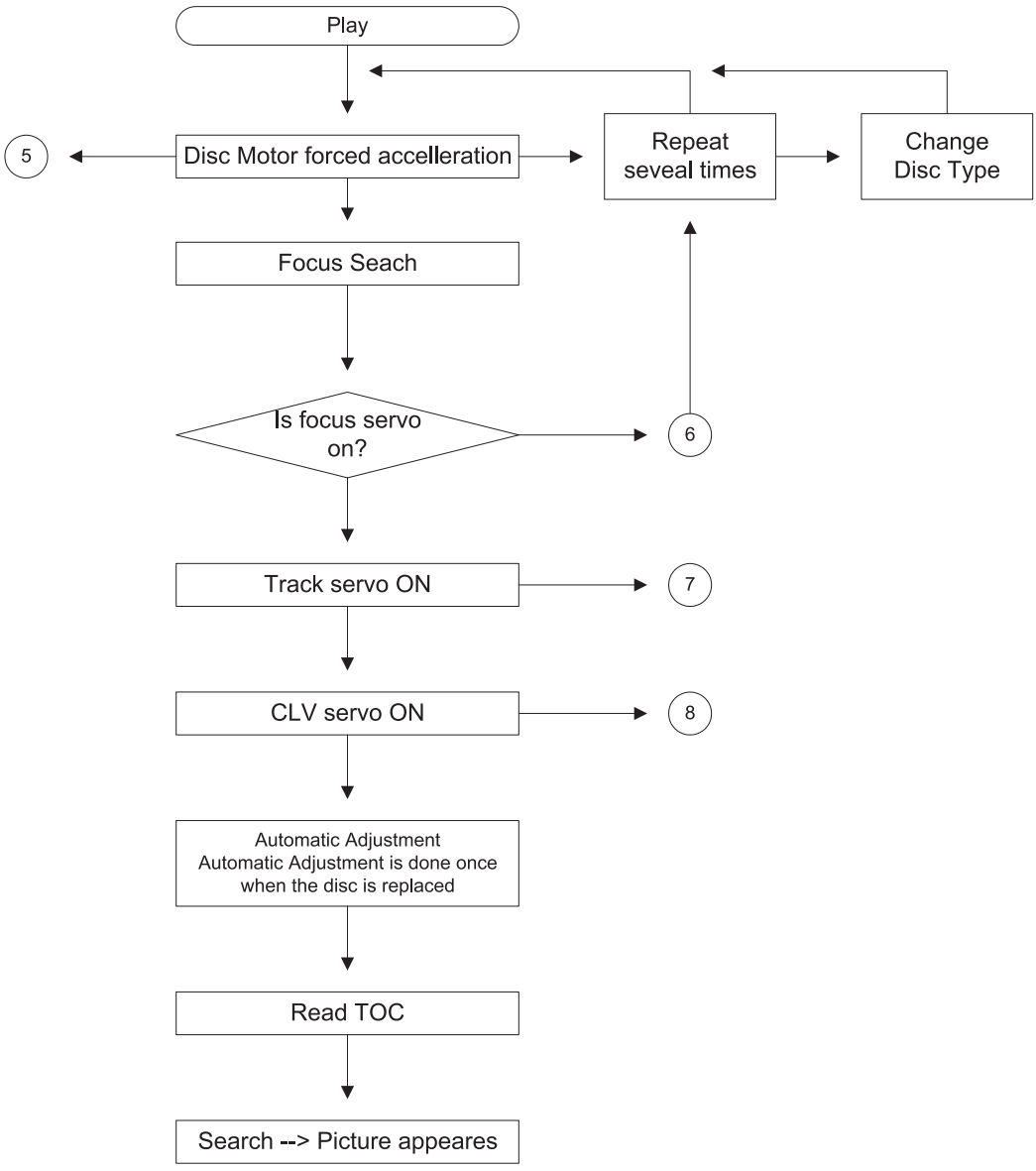


(DVD Dual)



(DVD Single)

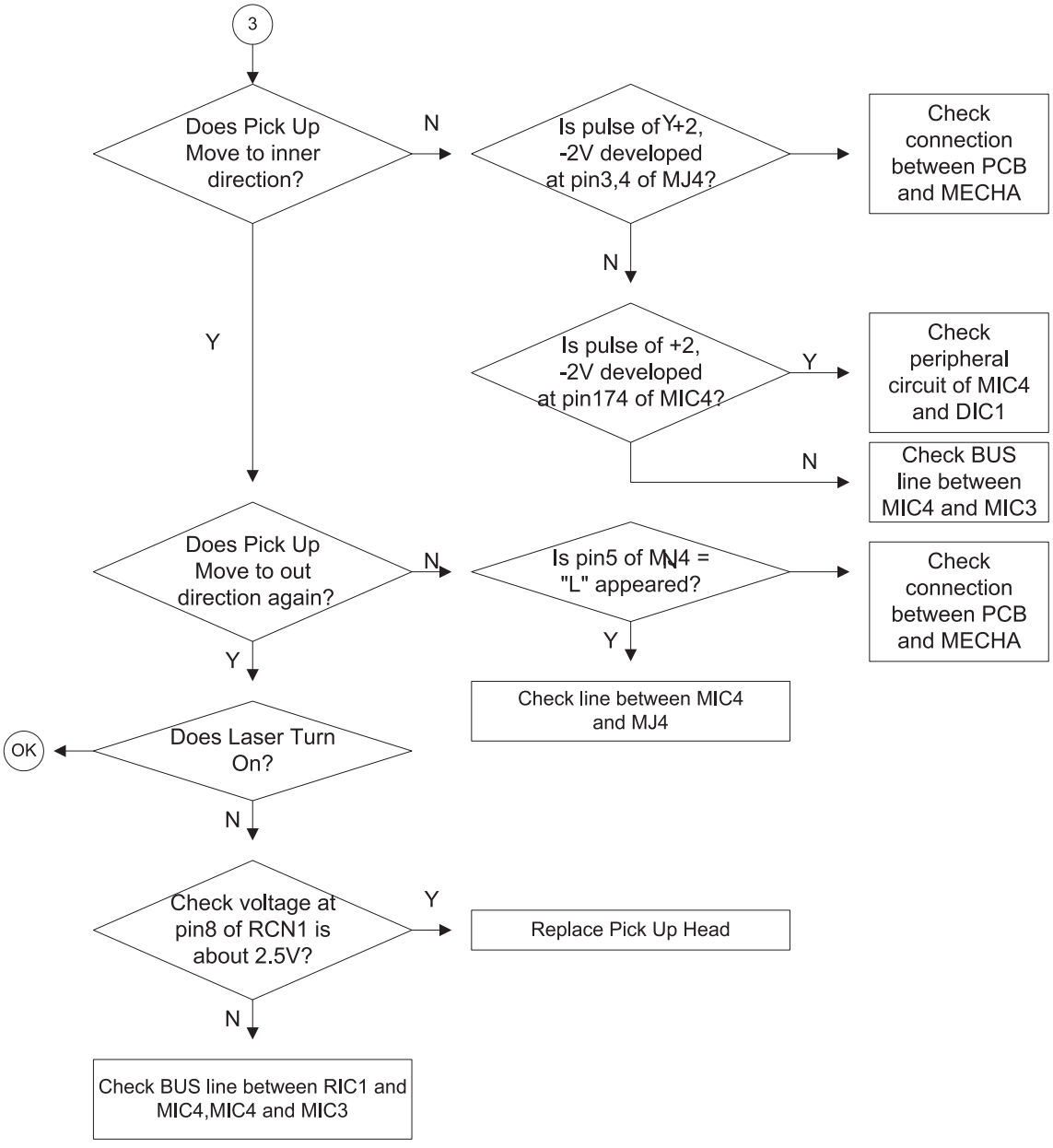
2. Play operation



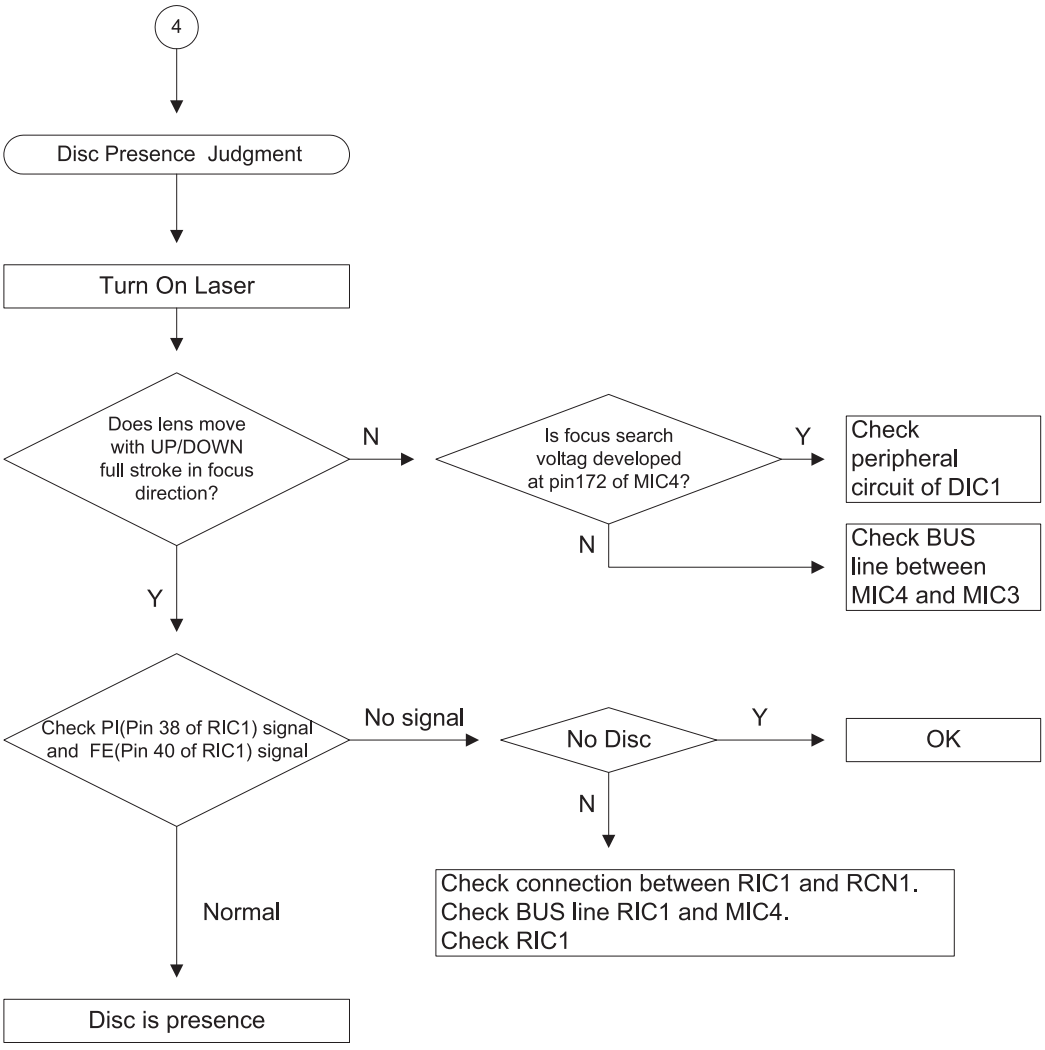
3. PickUp Head Initial Postion

PickUp Head Initial Postion

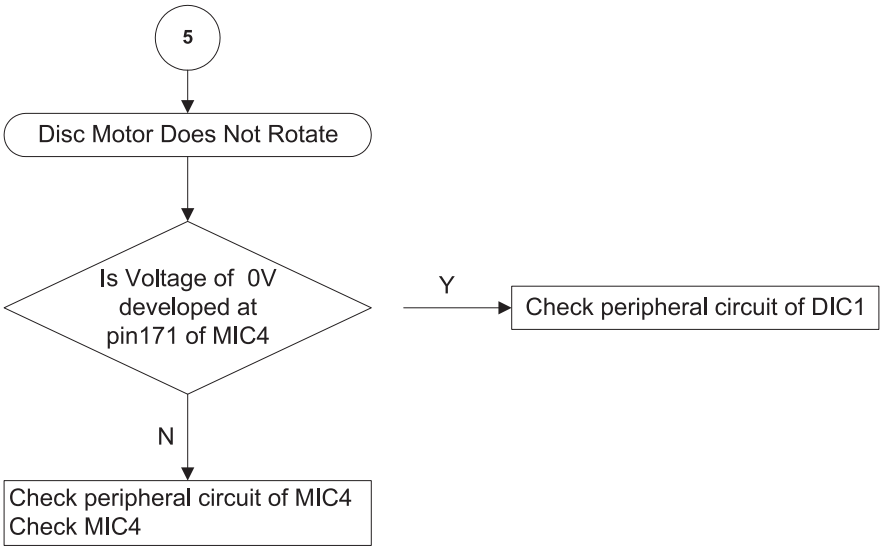
1. Move Pick Up Head to inner diretion until pin5 of MJ4="L"
2. If pin5 of MJ4="L", then move Pick Up Head to outer diretion for a short time.
3. Ture On the Laser of Pick Up Head to judge that disc is presence or not.


3
Does Pick Up Move to inner direction?
N
Is pulse of +2, -2V developed at pin3,4 of MJ4?
Y
Check connection between PCB and MECHA
N
Y
Is pulse of +2, -2V developed at pin174 of MIC4?
Y
Check peripheral circuit of MIC4 and DIC1
N
Check BUS line between MIC4 and MIC3
Does Pick Up Move to out direction again?
N
Is pin5 of MJ4 = "L" appeared?
N
Check connection between PCB and MECHA
Y
Y
Check line between MIC4 and MJ4
OK
Does Laser Turn On?
N
Check voltage at pin8 of RCN1 is about 2.5V?
Y
Replace Pick Up Head
N
Check BUS line between RIC1 and MIC4,MIC4 and MIC3

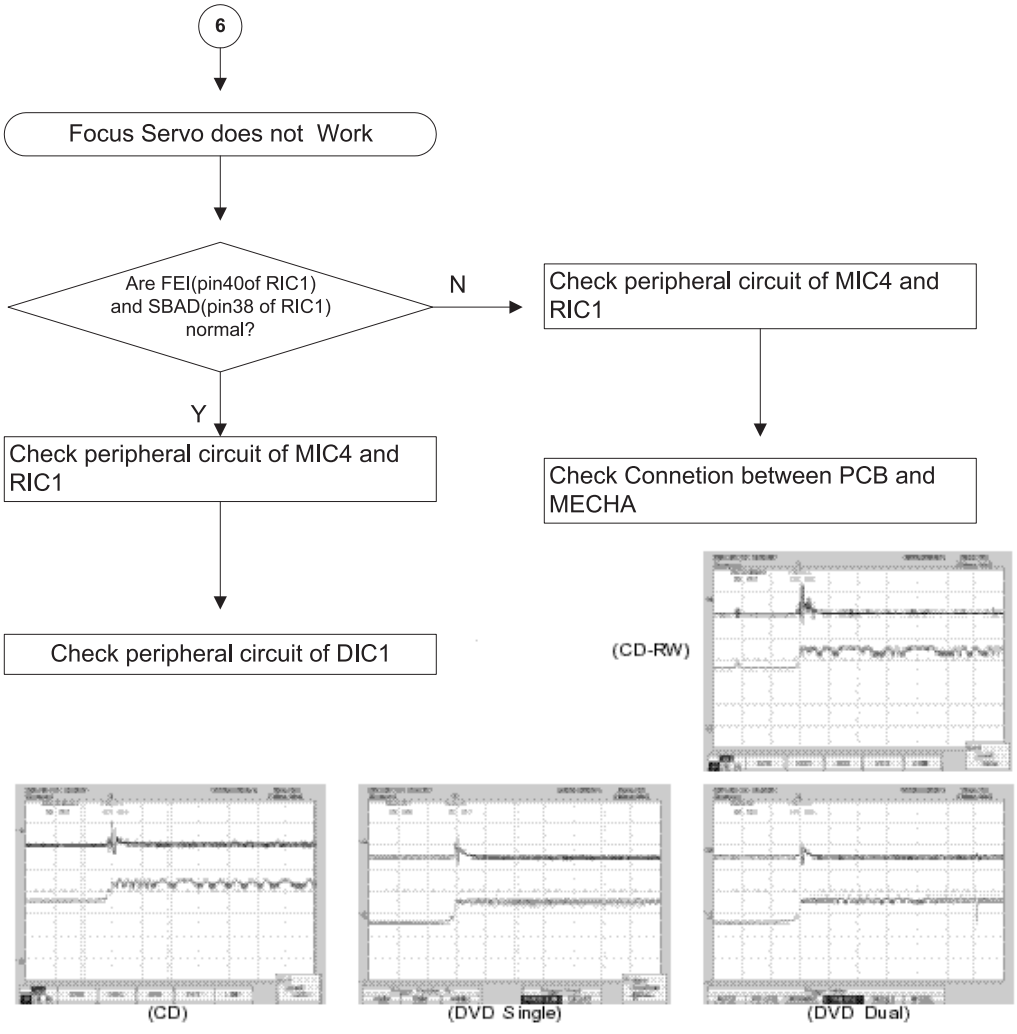
4. Disc Presence/Absense Judgment



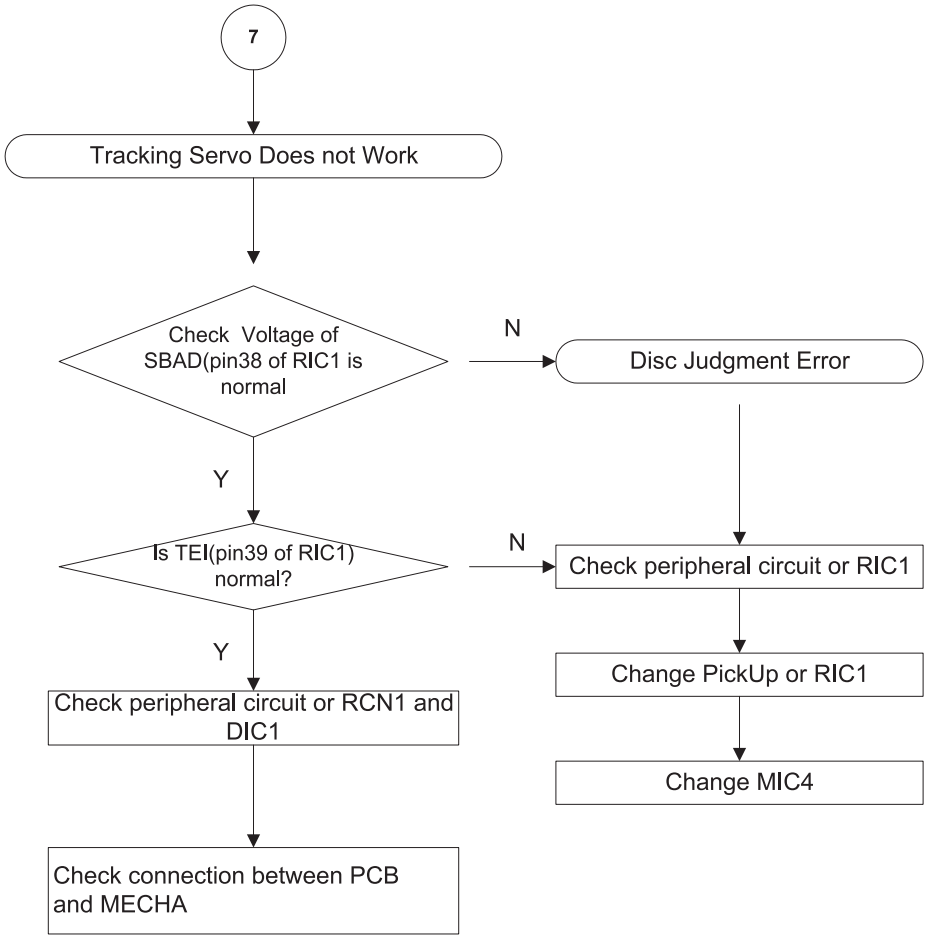
5. Disc Motor Does Not Rotate

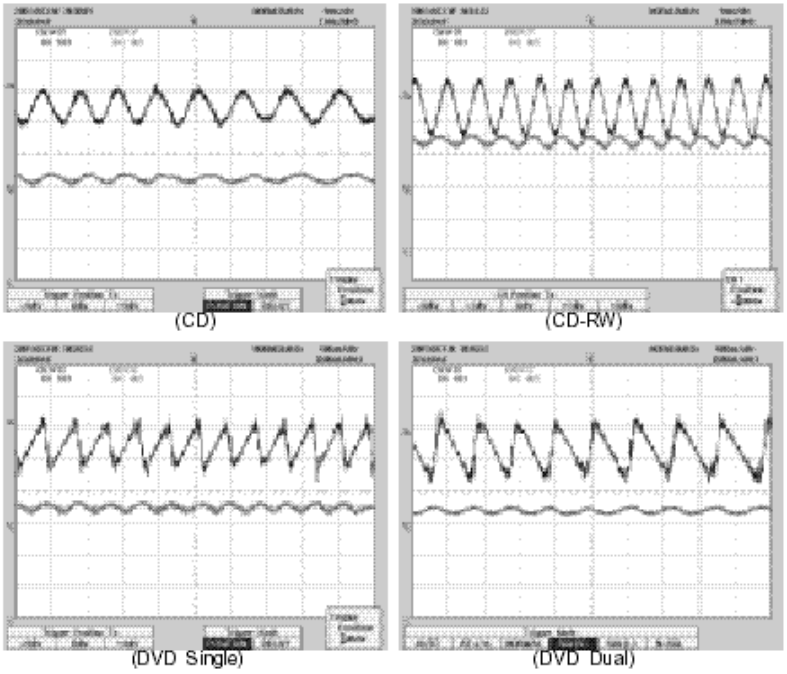


6. Focus Servo does not Work

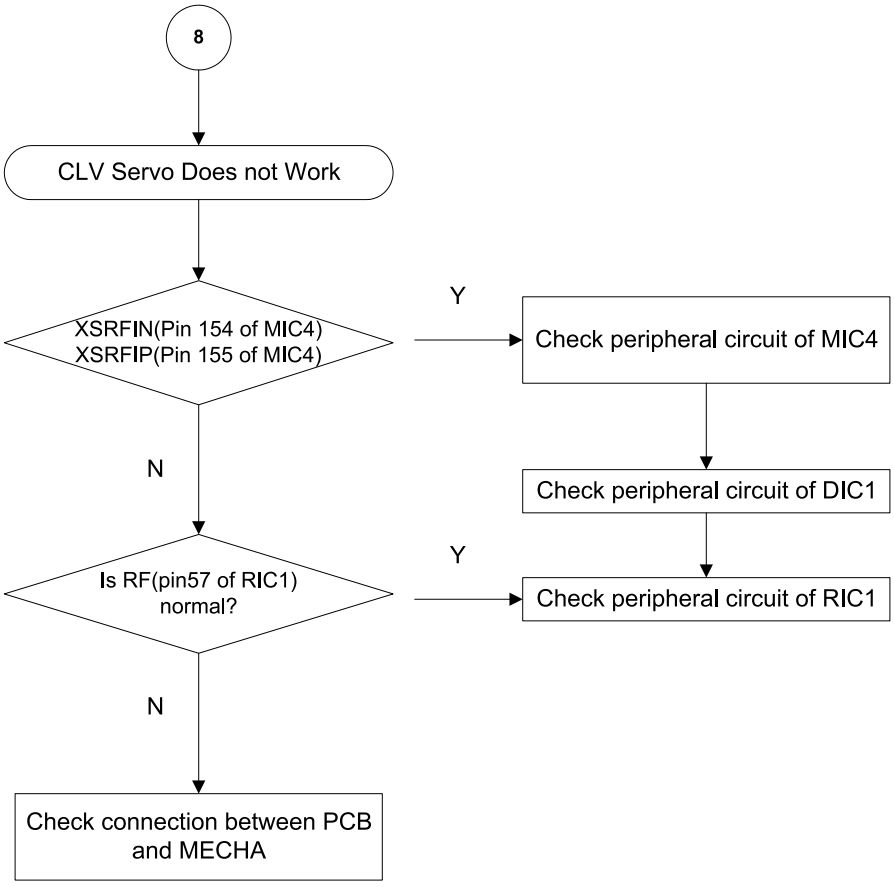


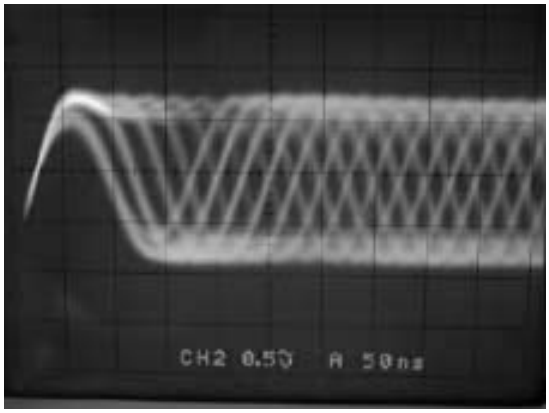
7. Tracking Servo Does Not Work





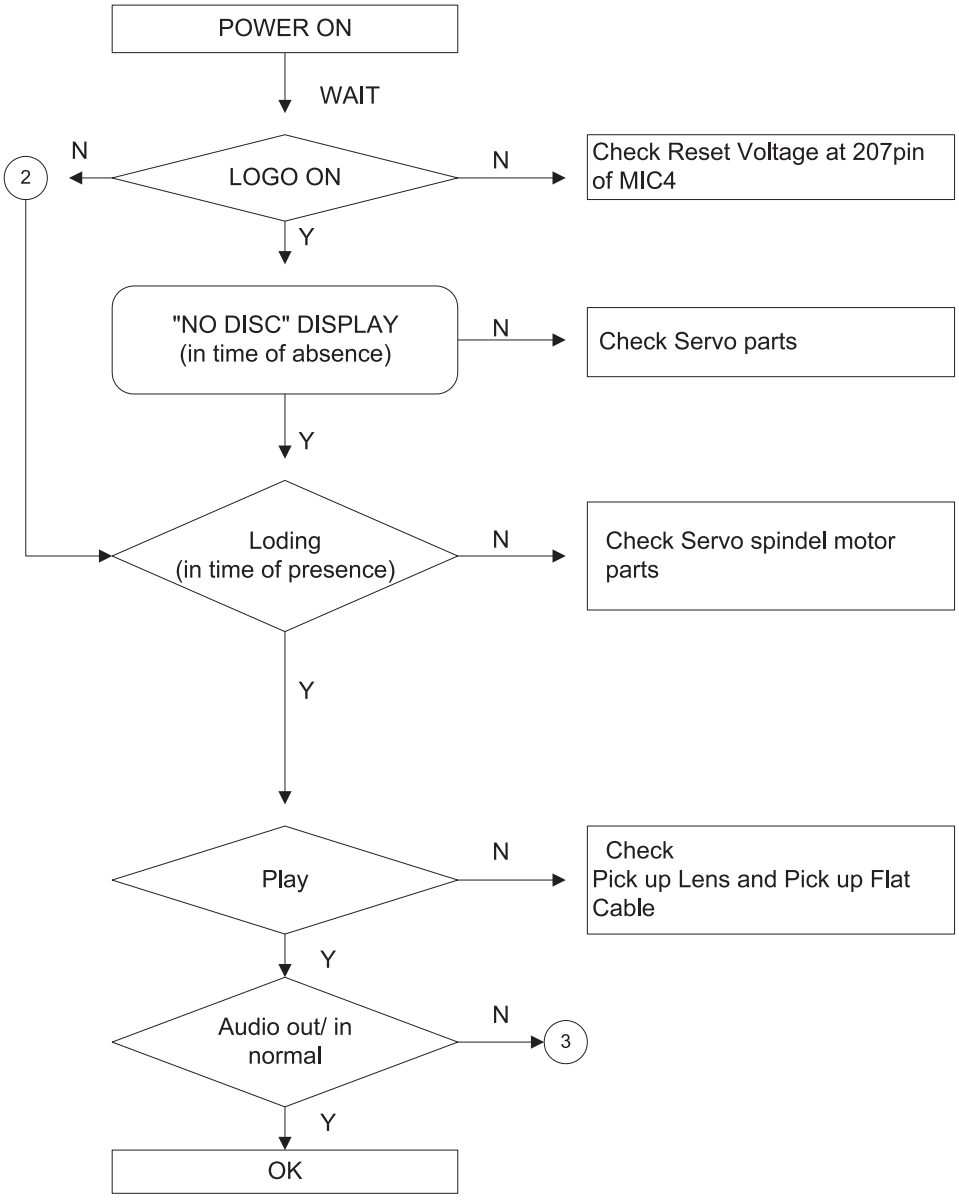
8. CLV Servo Does Not Work



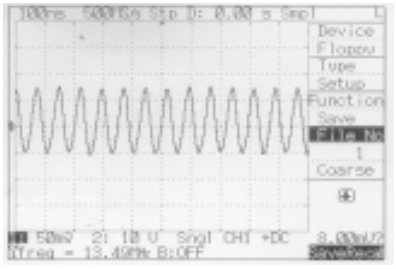


RF Signal

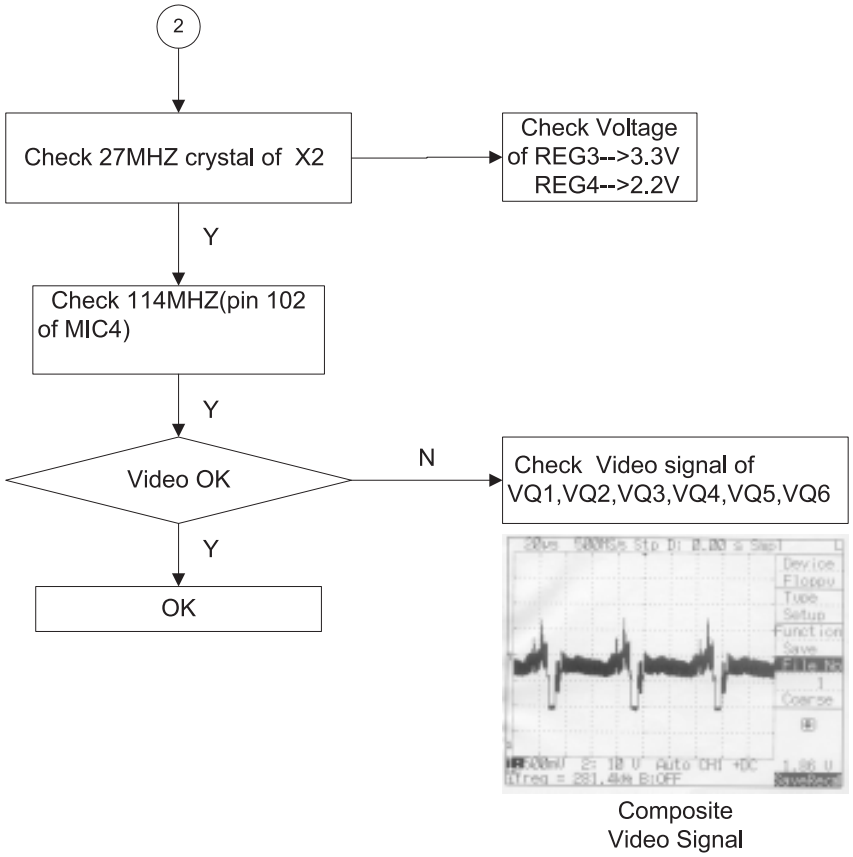
1. Initial operation after NO



2. Logo operation



27MHZ



Composite
Video Signal

3.Audio operation